



SA Tape

CR 613

CR 140/160

FS630/640

FS120/420

Cohrlastic Silicone Foam Rubber

Norseal

Korel K30 & K40

Adhesive Tapes

www.completerubber.com.au

TECHNICAL DATA SHEET

Grade N530 SELF ADHESIVE TAPE

TYPICAL PHYSICAL PROPERTIES

| | |
|----------------------|---------------------------------------|
| Total Thickness (mm) | 0.17mm |
| Adhesive Strength | |
| - To steel plate | ≥ 7.1N/cm ASTM D-1000 |
| - To PP Plate | ≥ 7N/cm ASTM D-1000 |
| - To PET | ≥ 6N/cm ASTM D-1000 |
| Release Liner: | 110gsm PE and Silicone coated release |
| Paper | |
| Backing: | 14gsm Super Clear Non-Woven tissue |
| Paper | |
| Temperature Range: | -20°C to +120°C Constant |
| Adhesive: | Modified Transparent Solvent Based |
| Acrylic | |

STANDARD WIDTH SIZES

| 3.0mm | 4.5mm | 6.0mm | 9.0mm | 12.0mm |
|-------|-------|-------|-------|--------|
| 6 | 6 | 6 | n/a | n/a |
| 9 | 9 | 9 | 9 | n/a |
| 12 | 12 | 12 | 12 | 12 |
| 15 | 15 | 15 | 15 | 15 |
| 19 | 19 | 19 | 19 | 19 |
| 25 | 25 | 25 | 25 | 25 |
| 38 | 38 | 38 | 38 | 38 |
| 50 | 50 | 50 | 50 | 50 |

STANDARD ROLL LENGTHS

| | |
|--------|------|
| 3.0MM | 20MT |
| 4.5MM | 15MT |
| 6.0MM | 10MT |
| 9.0MM | 7MT |
| 12.0MM | 5MT |

We have a comprehensive range available in open cell urethane, closed cell PVC & soft, medium and hard grades, PVC Nitrile and Neoprene Sponge.

CARTON QUANTITY

| | |
|--------|----|
| 6.0MM | 50 |
| 9.0MM | 33 |
| 12.0MM | 25 |
| 15.0MM | 20 |
| 19.0MM | 15 |
| 25.0MM | 12 |
| 38.0MM | 7 |
| 50.0MM | 5 |

At present we stock only neoprene sponge. All other types are available usually with a 3 day lead time.

TECHNICAL DATA SHEET

CR140 Series EPDM Closed Cell Foam (140kg/m³)

TYPICAL PHYSICAL PROPERTIES

| | | |
|--|----------------------------|---------------|
| Colour | Black | |
| Application Temp. Range (°C) | -30 to +120 | |
| Density | 140±20kg/m ³ | |
| Tensile Strength | 35kg/cm 2 min | ASTM D 412-75 |
| Elongation: (%) | 160% | |
| 25% Force to Compress (N/cm ²) | 8.15 | ASTM D-1667 |
| Compression Set (50%) | 6.0% (max 35%) | ASTM D-1667 |
| Ozone Resistance | Surface Crack Not Detected | ASTM G-21 |
| Environmental Friendliness | Approved | ISO 14001 |
| Flammability: mm/min | Pass | FMVSS 302 |

*CR140 is a closed cell
EPDM foam with an
aggressive acrylic
adhesive*

- Excellent high temperature closure tape
- Water seal at minimum 25% compression
- Dimensionally stable
- Excellent resistance to fungi, weathering & oxidation
- Large range of thicknesses
- Available without



TECHNICAL DATA SHEET

CR160 Series Neoprene Closed Cell Foam

TYPICAL PHYSICAL PROPERTIES

| | | |
|--|----------------------------|---------------|
| Colour | Black | |
| Application Temp. Range (°C) | -40 to +100 | |
| Density | 160±30kg/m ³ | |
| Water Absorption | 5% weight max | ASTM D-1667 |
| Thermal conductivity | 0.031 | ASTM C-177-71 |
| Tensile Strength: (N/cm ²) | 4kg/cm 2 min | ASTM D-412-75 |
| Elongation: (%) | 150% min | |
| 25% Compression/Deflection | 3.5-5.0 Psi | ASTM D-1667 |
| Compression Set (%) | 25% max | |
| Ozone Resistance | Surface Crack Not Detected | |
| Environmental Friendliness | Approved | ISO 14001 |
| Flammability: mm/min | UL-94HF-1 Pass | |

CR160 is a closed cell Neoprene Foam with an aggressive acrylic adhesive

- Excellent high temperature closure tape
- Water seal at minimum 25% compression
- Dimensionally stable
- Excellent resistance to fungi, weathering & oxidation
- Large range of thicknesses
- Available without adhesive for insulation
- Thermal insulation



TECHNICAL DATA SHEET

FS630 (80kg) Closed Cell EPDM Foam

TYPICAL PHYSICAL PROPERTIES

| | | |
|---|-------------------------------|-----------------|
| Colour | Black | Other available |
| Thickness | 3, 6, 9, 12 & 19mm | |
| Application Temp. Range (°C) | -50 to +125 | KS M 3014 |
| Density (g/cm ³) | 0.05 – 0.09 | KS M 3014 |
| Thermal Conductivity (@20+/-5°C) | 0.035w/m.k | KS L 9016 1995 |
| Water Absorption Rate (g/cm ²) | 0.0007 | KS M 3014 2001 |
| Service Temp | -50°C to +125°C | KS M 3014 |
| Dimensional Change of Heating (@120+/-2°C, 22h) | Width – 2.6% Length – 5.7% | |
| Tensile Strength (N/cm ²) | 12.7 (min) | KS M 3014 2001 |
| Elongation (%) | 120 (min) | KS M 3014 2001 |
| 25% Force to Compress (N/cm ²) | 3.03 | ASTM D-1667 |
| Compression Set (50%) | 19% | ASTM D-1667 |
| Fungal Resistance | No fungal growth | ASTM G-21 |
| Ozone Resistance | Surface Crack Not Detected | |
| Odour | Odourless | |
| Environmental Friendliness | Approved | ISO 14001 |
| Flammability mm/min | Self Extinguishing | FMVSS 302 |

Application Guide

Surfaces should be clean before applying. Avoid touching adhesive surface before application

Typical Applications

Suitable as a closure tape in contact with:

- Normal to extreme gasketing and vibration dampening for automotive applications.
- Acrylic, glass, polycarbonates, all aluminium surfaces, treated wood, fibre glass & vinyl
- Switchboards, inspection hatches, transport & marine applications

Storage

Material should be stored at 21°C at 50% relative humidity

Disclaimer: All figures shown above represent typical test results in laboratory conditions, and are given without guarantee since the conditions of use are beyond the control of our company. Width and thickness tolerances are +/-20%. It is the customer's responsibility to satisfy themselves that the product is fit for the purpose for which they intend to use it and that the actual conditions of use are suitable.

FS630 is a closed cell EPDM foam with an aggressive acrylic adhesive

Excellent high temperature closure tape

Water seal at minimum 25% compression

Dimensionally stable

Excellent resistance to fungi, weathering & oxidation

Large range of thicknesses

Available without adhesive for insulation

Thermal insulation

TECHNICAL DATA SHEET

FS640 (120kg) Closed Cell EPDM Foam

TYPICAL PHYSICAL PROPERTIES

| | | |
|---|-------------------------------|-----------------|
| Colour | Black | Other available |
| Thickness | 3, 6, 9, & 19mm | |
| Application Temp. Range (°C) | -50 to +125 | KS M 3014 |
| Density (g/cm ³) | 0.10 – 0.13 | KS M 3014 |
| Thermal Conductivity (@20+/-5°C) | 0.038w/m.k | KS L 9016 1995 |
| Water Absorption Rate (g/cm ²) | 0.001 | KS M 3014 2001 |
| Service Temp | -50°C to +125°C | KS M 3014 |
| Dimensional Change of Heating (@120+/-2°C, 22h) | Width – 2.1% Length – 4.8% | |
| Tensile Strength (N/cm ²) | 15.5 (min) | KS M 3014 2001 |
| Elongation (%) | 110 (min) | KS M 3014 2001 |
| 25% Force to Compress (N/cm ²) | 8.15 | ASTM D-1667 |
| Compression Set (50%) | 6.0% | ASTM D-1667 |
| Fungal Resistance | No fungal growth | ASTM G-21 |
| Ozone Resistance | Surface Crack Not Detected | |
| Odour | Odourless | |
| Environmental Friendliness | Approved | ISO 14001 |
| Flammability mm/min | Self Extinguishing | FMVSS 302 |

Application Guide

Surfaces should be clean before applying. Avoid touching adhesive surface before application

Typical Applications

Suitable as a closure tape in contact with:

- Normal to extreme gasketing and vibration dampening for automotive applications.
- Acrylic, glass, polycarbonates, all aluminium surfaces, treated wood, fibre glass & vinyl
- Switchboards, inspection hatches, transport & marine applications

Storage

Material should be stored at 21°C at 50% relative humidity

Disclaimer: All figures shown above represent typical test results in laboratory conditions, and are given without guarantee since the conditions of use are beyond the control of our company. Width and thickness tolerances are +/-20%. It is the customer's responsibility to satisfy themselves that the product is fit for the purpose for which they intend to use it and that the actual conditions of use are suitable.

FS640 is a closed cell EPDM foam with an aggressive acrylic adhesive

Excellent high temperature closure tape

Water seal at minimum 25% compression

Dimensionally stable

Excellent resistance to fungi, weathering & oxidation

Large range of thicknesses

Available without adhesive for insulation

Thermal insulation

TECHNICAL DATA SHEET

FS120 Open Cell Polyurethane Foam

TYPICAL PHYSICAL PROPERTIES

| | |
|---|-------------------------|
| Colour | Black |
| Thickness | 3, 6, 9, 12 & 18mm/soft |
| Density | 28kg/cm ³ |
| Elongation | 5 |
| 90° Peel Adhesion | 405 |
| Parameter values are not guaranteed and will differ from lot to lot | |

Application Guide

Surfaces should be clean before applying. Avoid touching adhesive surface before application. Press firmly to ensure good adhesion.

Typical Applications

Automotive gaskets and seals, refrigeration, air conditioning, cushioning applications, draught excluder.

- NB: product is NOT recommended for water seals
-

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FS120 is an open cell polyurethane foam with an aggressive acrylic adhesive

Maintains a light and dust seal at a minimum 50% compression

Remains flexible at a wide range of operation temperatures

Dimensionally stable. Will not ooze, run or drip

Easily removable liner minimises stretching during installation

Good temperature resistance

TECHNICAL DATA SHEET

FS420, FS460, FS520, FS560 PE Foam Tape

TYPICAL PHYSICAL PROPERTIES

| | | |
|-------------------------------------|--------------------------------------|--------------------------------|
| Colour | Black/White with film Black/White | FS420 & FS520 FS460 & FS560 |
| Density (kg per cubic metre) | 33 +/- 15% | 53420 (Din Standard) |
| Force to compress (kPa) | 46.1 +/- 20% | 30% Compression |
| Compression Set (% loss fr.orig ht) | 8.5 | 5275 (Din Standard) |
| Flammability | FMVSS 302 and UL 94 | |
| Water Absorption (% by volume) | 0.7 | 53428 (Din Standard) |
| 90°Peel Adhesion | 411 | |
| Thermal Conductivity | Koal/(m.h.°C) | 52612 |
| Recommended Service Temp | -80°C to +80°C | |
| Recommended Application Temp | +5°C to 40°C | |

Excellent resistance to fungi and oxidation.

Parameter values are not guaranteed and will differ from lot to lot.

Application Guide

Surfaces should be clean before applying. Avoid touching adhesive surface before application. Press firmly to ensure good adhesion.

Typical Applications

Ductwork, heater assemblies, access lids, access doors and panels, display cabinets, refrigeration, vending machines, windscreen dam, roofing and spacer for glazing.

Disclaimer: All figures shown above represent typical test results in laboratory conditions, and are given without guarantee since the conditions of use are beyond the control of our company. Width and thickness tolerances are +/-20%. It is the customer's responsibility to satisfy themselves that the product is fit for the purpose for which they intend to use it and that the actual conditions of use are suitable.

*FS420, FS460, FS520,
FS560 PE Sealant for
general vibration
sealing and closure
applications*

Maintains a water tight seal at a minimum of 25% compression

Good resistance to weathering, aging, fungi and most chemicals and ultra violet light

Remains flexible at a wide range of operating temperatures

Dimensionally stable. Will not ooze, run or drip

Long life pressure sensitive acrylic adhesive positions foam easily on curved or irregular surfaces

Available with liner (FS460 series) and for easier application without liner (FS420 & FS520 series)

Cohrlastic Silicone Foam Rubber

Product Overview



COHRLastic® F-12 silicone foam combines unique flame retardancy and low toxic gas emission properties with excellent compression set resistance, conformity and low density. Combining two or all of these properties makes F-12 the ultimate fire blocking silicone foam for fire and heat-resistant gaskets, seals and cushioning, as well as radiant heat shield and insulation blankets.

For the automotive and mass transit industries, F-12 offers a high degree of design flexibility. Lightweight and easy to process, it can be laminated to seat cover fabrics and carpeting as a backing for added flame resistance in passenger compartment furnishings.

For aircraft and aerospace applications, F-12's very low density allows for weight savings, which increases aircraft fuel efficiency. As lamp gaskets for high intensity lighting, F-12's compression set, fire resistance and excellent weathering properties allow for safe, continuous outdoor operation and low maintenance.

Other applications include firewall insulation and thermal barriers, noise insulation, and gasketing for commercial and private marine vehicles. F-12 also can be cast onto aluminium or fiberglass fabrics as a radiant heat shield product or insulation blanket.

F-12 is available with an acrylic film supported pressure sensitive adhesive on one side. This PSA product – Strip-N-Stick® 512AF – is available in 10-yard rolls in thicknesses from 1/16" to 1/8" and 5-yard rolls in thicknesses of 3/16", 1/4", 3/8" and 1/2". Roll widths range from 1/2" to 35".

F-12 COHRLastic® Silicone Foam

Features/Benefits

UL 94 V-0 rated

Withstands 2100 °F Flame for 10 minutes

Low levels of Toxicity and Smoke Generation

Excellent Compression Set Resistance

Lightweight

Can be cast onto various substrates, including heat shielding materials, tear-resistant materials and vapour barriers

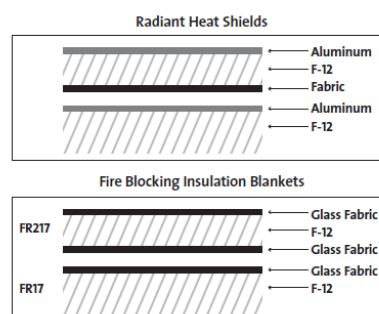
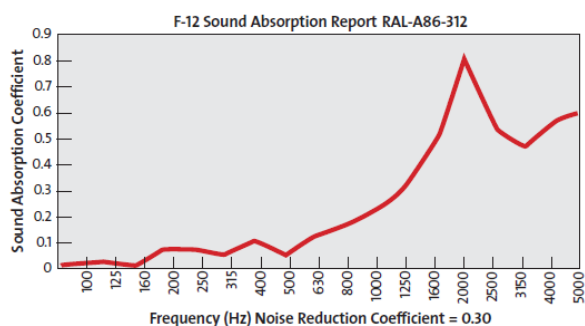
Available as a pressure sensitive adhesive tape

51 Sparks Ave
Fairfield Vic 3078

www.completerubber.com.au

Cohrlastic Silicone Foam Rubber

F-12 Technical Data Sheet



| Physical Property | Unit of Measure | Value | Test Method |
|---|---|---|-------------------------|
| Continuous Length | Yards | Up to 36" (914) (wide) | |
| Tensile Strength | PSI | 25 | ASTM D412 |
| Elongation at Break | % | 60 | ASRM D412 |
| Density | Lb.ft ³ | 12 | ASTM D3574 |
| Temperature Range | °F (°C) | -60 to +400 (-51 to +204) | |
| Vertical Burn | Seconds | <3 | UL94V-0 and FAR 25.853B |
| Compression Set (50% for 22hrs. at 212°F) | % | 5 | ASTM D1056 |
| Thermal Conductivity | BTU-in./hr.-ft ² -F (K factor) | 0.42 | ASTM C177 |
| Compression Deflection | PSI | 3.0 | ASTM D1056 |
| Colours | | Grey (std.) White, black & Brown | |
| Surface Description | | Textured One Side | Visual |
| Thickness/Tolerance | Inch (mm) | 1/6±1/64 (1.59±0.40) 1/8±1/32 (3.18±0.79) 3/16±1/32 (4.76±0.79) 1/4 + 3/64 - 1/32 (6.35±1.19-0.79) 3/8±3/64 (9.53±1.19) 1/2±3/64 (12.7±1.19) 3/4±0.075 (19.05±1.91) 1±0.1 (±25.4±2.54) | |

| Physical Property | Unit of Measure | Value | Test Method |
|--|----------------------------------|-----------------------|-------------------------------------|
| Flame Spread Index, Radiant Panel | Is | 12.1 | ASTM D3675 |
| Limiting Oxygen Index | % | 34.0 | ASTM 2863 |
| Dielectric Constant | At 100Hz At 1 KHz At 1 MHz | 1.31 1.30 1.32 | ASTM D150 ASTM D150 ASTM D150 |
| Arc Resistance | Seconds | 1.2 | ASTM D495 |
| Insulation Resistance | Ohms | 2.3 x 10 ⁴ | ASTM D257 |
| FDA Extractables, 21 CFR177.2600 | | Pass | |
| Noise Reduction Coefficient | NRC | 0.3 | ASTM C423 |
| Products of Combination, Hydrogen Cyanide | PPM | 0 | ASTM E662 |
| Boston Fire Dept. Chair Test, January 1986 | | In Compliance | |
| FAR 25.853 (A-1 and B) | | Pass | |
| FAR 25.856 (A-1) | | Pass | |
| Bombardier SMP 800-c | | Pass | |
| UL94V-0 | | Pass | |
| Smoke Density -4min. Smoldering Mode | | 35.0 | ASTM E662 |
| -4min. Flaming mode | | 23.0 | ASTM E662 |
| Flame Spread Index | Is | 11.5 | ASTM E162 |

Important notes to purchaser: Values shown are typical and are not to be used for specifications. All data is subject to change without notice. Before using, the user should determine the suitability of the product for its intended use, and the user assumes all risk and liability in connection therewith. Specifications are also subject to change without notice.

Cohrlastic Silicone Foam Rubber

Product Overview



F-20 COHRLastic® Silicone Foam Rubber

Features/Benefits

Flame retardant UL 94 V-0 in thickness $\geq 1/16"$ (1.59mm)

Meets key industry standards: FAR 25.853, Bombardier SMP 800-C, NFPA 130

Non-toxic, low smoke generation and low flame spread

Smooth both sides for excellent sealing against air, dust, light and moisture

Excellent compression set resistance

Excellent resistance to ultraviolet light, ozone and extreme temperature ranges

Meet requirements of FDA Extractables 21.CFR177.2600 for food contact

Closed cell foam meets AMS 3195

Non-corrosive for use with metals and in hostile environments

Available as pressure-sensitive adhesive tapes

Strip-N-Stick version available as 520AF for both black and grey colours

Provided in roll stock for ease of conversion

Overview

COHRLastic® F-20 is a medium density closed cell silicone foam rubber product designed to deliver environmentally stable, flame-retardant performance for gasketing, insulation and damping applications. Cohrlastic® F-20 offers excellent compression set resistance and is often the product of choice in aircraft, aerospace, mass transit, military and electronic applications with extremely stringent smoke, flame and toxicity requirements. F-20 offers excellent resistance to environmental conditions, making it an excellent choice for both indoor and outdoor sealing and gasketing applications.

Availability

F-20 is supplied in 36" wide yard goods

Special order thickness for grey: 1/2" 3/8" 1/32"

Special order thickness for black: 1/32"

51 Sparks Ave

Fairfield Vic 3078

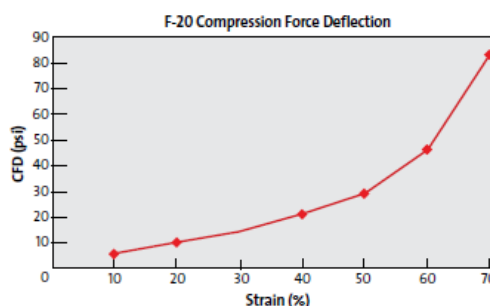
www.completerubber.com.au

Cohrlastic Silicone Foam Rubber

F-20 Technical Data Sheet

| Property | Unit of Measure | Value | Test Method |
|--|-------------------------------|--|--------------------------------|
| PHYSICAL | | | |
| Colours | - | Grey, Black | - |
| Tensile Strength | PSI | 30 | ASTM D412 |
| Elongation at Break | % | 45 | ASTM D412 |
| Density | Lb./ft. ³ | 20 | ASTM 3574 |
| Compression Deflection | PSI | 10 | ASTM D1056 |
| Compression Set (50% for 22 hrs. at 212°F) | % | <5 | ASTM D1056 "D" |
| Surface Description | - | Smooth both sides | - |
| Continuous | Yards | Up to 36" (914) wide | - |
| Thickness/Tolerance | Inch (mm) | 0.0625±0.016 (1.6±0.4) 0.125±0.031 (3.2±0.8) 0.188±0.032 (4.8±0.8) 0.250±0.031 (6.4±0.8) 0.375±0.047 (9.5±1.2) 0.500±0.050 (12.7±1.3) | - |
| FLAMMABILITY | | | |
| Flame Resistance (UL) | - | Pass | UL 94 V-0 |
| Flame Resistance (FAR) | - | Pass | FAR 25.853 (12s & 60s) |
| Flame Spread Index | L ₇ | <15 | ASTM E162 |
| Smoke Density | D ₂ | 1.5minutes <20 4.0minutes <50 | ASTM E662 |
| Toxic Gas Emissions Rating | - | Pass | SMP-800C |
| Flame Propagation | - | Pass | ASTM C1166 |
| ENVIRONMENTAL | | | |
| Stain Resistance | - | Pass | ASTM D925-06e2, Method A |
| Ozone Effect Ratingq | - | Non-cracking | ASTM D1171-99 (2007), Method A |
| UV Resistance | Visual | No degradation | SAE J1960 |
| Water Absorption | % | <1 | ASTM D471/D1056 |
| FDA Extractables | - | Pass | 21 CFR 177.2600 (food contact) |
| ELECTRICAL AND THERMAL | | | |
| Dielectric Strength | Volts/mil (VPM) | 80 | ASTM D149 |
| Dielectric Constant | - | 3.5 | ASTM D150 |
| Dissipative factor | - | 0.03 | ASTM D150 |
| Dry Arc Resistance | Seconds | 127 | ASTM D495 |
| Volume Resistivity | Ohms-cm | 3.39x10 ¹⁴ | ASTM D257 |
| Thermal Conductivity | W/m ² K | 0.074 | ASTM C518 |
| Thermal Insulation | Ft. ² •h•°F/Btu•in | 1.94 | ASTM C518 |
| Low Temperature Embrittlement | °C(°F) | -100(-148) | DMA |

Important notes to purchaser: Values shown are typical and are not to be used for specifications. All data is subject to change without notice. Before using, the user should determine the suitability of the product for its intended use, and the user assumes all risk and liability in connection therewith. Specifications are also subject to change without notice.



CHR Pressure–Sensitive Adhesive Tapes

Product Overview



For extreme temperature applications, Strip-N-Stick silicone rubber tapes outperform all other elastomer tapes in service life, weatherability, compression set resistance and electrical resistivity.

These pressure-sensitive Strip-N-Stick tapes are available in a variety of widths and thicknesses for use in gasketing, cushioning, thermal insulation and vibration dampening applications. Other uses include noise reduction, clamping of hot parts and electrolysis reduction between dissimilar metals.

Strip-N-Stick tapes, which provide all the benefits of silicone rubber in an easy-to-apply, pressure sensitive tape form, are available in standard stock widths or can be slit to order.

- 100S is a silicone sponge with a high temperature silicone adhesive
- 200A is a silicone sponge with an aggressive acrylic adhesive
- 300AR is a reinforced silicone sponge with an aggressive acrylic adhesive. Its unique construction provides the compressibility of sponge and the dimensional stability of fibreglass reinforcement. Stretch is eliminated, which contributes to the consistent size and shape of cut parts and inhibits outward extrusion under high pressure. It further permits close tolerance slitting
- 400S combines a 30 durometer solid rubber with a high temperature silicone adhesive
- 440A combines a 30 durometer solid rubber with an acrylic adhesive. It provides for high elongation and good conformability, and is an excellent gasketing material
- 512AF uses F-12 fire blocking foam along with a film-supported acrylic pressure-sensitive adhesive

Strip-N-Stick Silicone Rubber

Features/Benefits

Instant Gasket

Easy to apply

Compressible Flexibility

Conforms to irregular shapes

Eliminates die cutting

High Adhesion to Stainless Steel, Plastics, Aluminium and Composites

Low Compression Set

Available in Closed-Cell Sponge, Low Density Foam or Solid Rubber

Temperature Ranges SNS Products with:

Acrylic Adhesives

-20°F (-29°C) to 350°F (177°C)

Silicone Adhesive

-100°F (-73°C) to 500°F (260°C)

CHR Pressure-Sensitive Adhesive Tapes

Technical Data Sheet

CHR Tapes – Typical Physical Properties – Strip-N-Stick Silicone Rubber

| Physical Property | ASTM Test Method | Sponge 100S | Sponge 200A | Reinforced Sponge 300AR | Solid 440S | Solid 440A | Foam 512AF |
|---------------------------|---------------------|-------------|--------------|------------------------------|--------------------------------------|--------------|------------------------|
| Colour | - | Orange-Tan | Orange-Tan | Blue | Grey | Grey | Grey |
| Adhesive* | - | Silicone | Acrylic | Acrylic | Silicone | Acrylic | PET Reinforced Acrylic |
| Adhesion to Steel | oz./in. (gm/cm) | D1000 | 15 (168) | 30 (335) | 30 (335) | 15 (168) | 30 (335) |
| Compression Deflection~ | Psi | D1056 | 10 (68.9) | 10 (68.9) | 15 (82.7) | 45 (310) | 45 (310) |
| Tensile Strength | Psi (MPa) | D412 | 56 (.448) | 65 (.448) | 100 (fabric break, ppi) (17.9 kg/cm) | 700 (4.82) | 700 (4.82) |
| Elongation | % | D412 | 150 | 150 | <10 | 650 | 650 |
| Compression Set~ | % | D1056 | 25 | 25 | 25 | 30 | 30 |
| Density of Backing | lb.in. ³ | D3574 | 0.019 (.526) | 0.019 (.526) | 0.020 (.554) | 0.040 (1.11) | 0.040 (1.11) |
| Silicone Rubber Substrate | - | Sponge | Sponge | Reinforced Fibreglass Sponge | Solid | Solid | Foam |

*Adhesive shelf-life when stored at 70 °F (21 °C) to 90 °F (32 °C) at less than 50% humidity; 6.0 months for silicone adhesive on sponge or solid backings, 24.0 months for acrylic adhesive on any SNS backing material. To maximize shelf-life, store at 40 °F (4.4 °C) to 50 °F (10 °C).

~Compression Deflection – Compressed to 75% of original thickness. ~Compression Set – compressed to 50% for 22 hours at 212 °F

| Thickness ⁺⁺⁺ in. | mm | 100S | 200A | 300AR | 440S | 440A | 512AF | Roll Length yards (m) |
|------------------------------|---------------|----------|------------|----------|----------|----------|----------|-----------------------|
| 1/32±.010 | .079±.13 | | | | ■ | ■ | | 20 (18.2) |
| 1/16±1/64 | 1.59±.41 | ■ | ■ | ■ | | | ■ | 10 (9.1) |
| 3/32±1/64 | 2.38±.41 | ■ | ■ | ** | | | ** | 10 (9.1) |
| 1/8±1/32 | 3.18±.79 | ■ | ■ | ■ | | | ■ | 10 (9.1) |
| 3/16±1/32 | 4.76±.79 | ■ | ■ | ■ | | | ■ | 5 (4.6) |
| ¼±3/64-1/32 | 6.35±1.19-.79 | | | | | | ■ | 5 (4.6) |
| 3/8±3/64 | 9.52±1.19 | | | | | | ** | 5 (4.6) |
| ½±3/64 | 12.7±1.19 | | | | | | ** | 5 (4.6) |
| Minimum widths, inches (mm) | 1/2 (12.7) | ½ (12.7) | 1/4 (6.35) | ½ (12.7) | ½ (12.7) | ½ (12.7) | ½ (12.7) | |

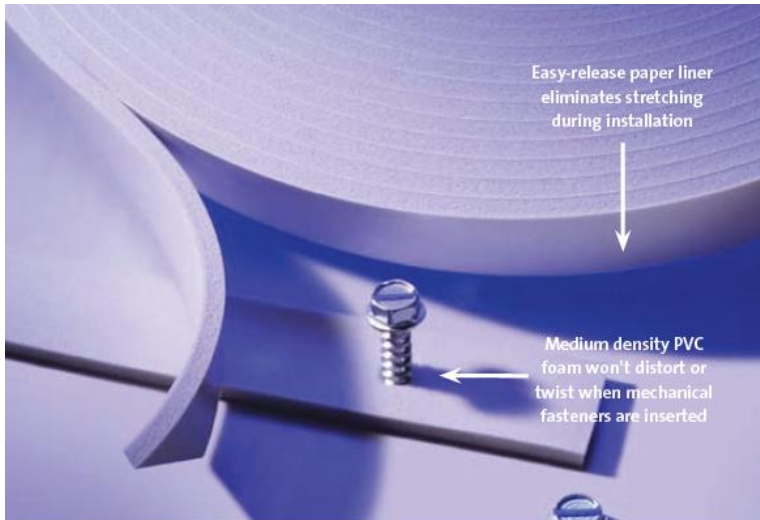
** Special Order, minimum quantities apply

+++ Thickness tolerance for backing only

Cell size: COHRplastic silicone sponge products may show variation in cell size. This is not cause for rejection if CHR finished product standards is met. Stick-N-Strip Dimensions: upon removal of the liner, the potential exists for dimension changes as the sponge relaxes.

Norseal V710

Product Overview



The special foam substrate of NORSEAL V710 gives it "swirl-free" properties, allowing it to resist tearing and distortion from drilling, riveting and other fastening operations.

Swirl-free foam won't twist

NORSEAL V710 is a medium density foam that won't distort or twist when mechanical fasteners are inserted. The special foam substrate of NORSEAL gives it this "swirl free" property, allowing it to resist tearing and distortion from drilling, riveting and other fastening operations. This is a superior advantage because non-swirl-free foam can actually tear when penetrated by fasteners such as screws and rivets.

Exceptional compression characteristics

NORSEAL V710 exceptional compression characteristics make it highly effective for sealing overlap joints. It requires only 30% compression to seal against light, dust and water. In addition, NORSEAL is dimensionally stable. The material will not ooze, drip or slip while under compression. The foam also conforms easily to curved or irregular surfaces, and is easy to die-cut.

Pressure-sensitive adhesive

NORSEAL V710's pressure-sensitive adhesive hold sealants in place for speedy installation.

Closed-cell Polyvinyl Chloride Foam Sealant with Pressure-Sensitive Adhesive on One Side

Features/Benefits

- Swirl-free foam won't move or twist when penetrated by fasteners
- Requires only 30% compression to seal against light, dust and water
- Conforms to curved or irregular surfaces
- Material is dimensionally stable
- Easy to die-cut
- Paper liner eliminates stretching during installation and makes material handling quick and simple

Typical Applications

- Modular walls
- Corrugated panel and lap joint seals
- Cab roofline seals
- Die-cut gaskets
- Vehicle overlap seals
- Metal farm buildings
- Outdoor lighting fixtures
- Railroad car/marine uses

Norseal V710

Technical Data Sheet

Norseal V710 Standard Roll Sizes

| Widths: 1/4" to 56"* (6.35mm to 1.4m) | Colour: Black | 3" ID Cores |
|--|---------------------|-----------------|
| Product No. | Thickness, in. (mm) | Length, ft. (m) |
| V712 | 1/16 (1.6) | 200 (61) |
| V714 | 1/8 (3.2) | 100 (30.5) |
| V716 | 3/16 (4.8) | 50 (15.25) |
| V718 | 1/4 (6.4) | 50 (15.25) |
| V7112 | 3/8 (9.5) | 25 (7.6) |

*Varies with Gauge

Storage: Material should be stored at 70°F (21°C), 50% relative humidity

Application Guide: Surfaces should be clean before applying. Do not remove liner until sealant is in proper position. Avoid touching adhesive surface before application. Saint-Gobain Performance Plastics recommends testing all sealants under individual application conditions and materials used prior to commercial use.

Please Note: Because Saint-Gobain Performance Plastics cannot anticipate or control every potential application, we strongly recommend testing of this product under individual application conditions prior to commercial use. The product contains plasticizer which may adversely affect some plastics.

Typical Physical Properties

| Property | Test Method | Value or Rating |
|---|--------------------|-----------------------------------|
| Density: lbs./cu.ft/ (kg/m ³) | ASTM D-1667 | 12 (192) |
| Hardness: Shore 00 | ASTM D-2240 | 30 |
| Force To Compress: PSI (kPa)* | ASTM D-1667 | 4.7 (32) |
| Compression Deflection: PSI (kPa)* | ASTM D-1667 | 1.9 (13) |
| Compression Set: % loss fr. Orig. ht.* | NTP-37 | 9 |
| Water absorption: % by volume | NTP-35 | 5% |
| 90° Peel Adhesion: oz./in/(N/m) 15min.dwell | PSTC-2 | 37 (405) |
| Elongation % | ASTM D-412 (Die A) | 80 |
| Tensile: PSI (kPa) | ASTM D-412 (Die A) | 35 (241) |
| Thermal Conductivity (BTU (in.))/(Sq.Ft.(hr.)°F) | ASTM C-518 | .30 |
| Recommended Service Temperature | - | -15°F to 160°F (-26°C to 71°C) |
| Recommended Application Temperature | - | 40°F to 125°F (4°C to 52°C) |

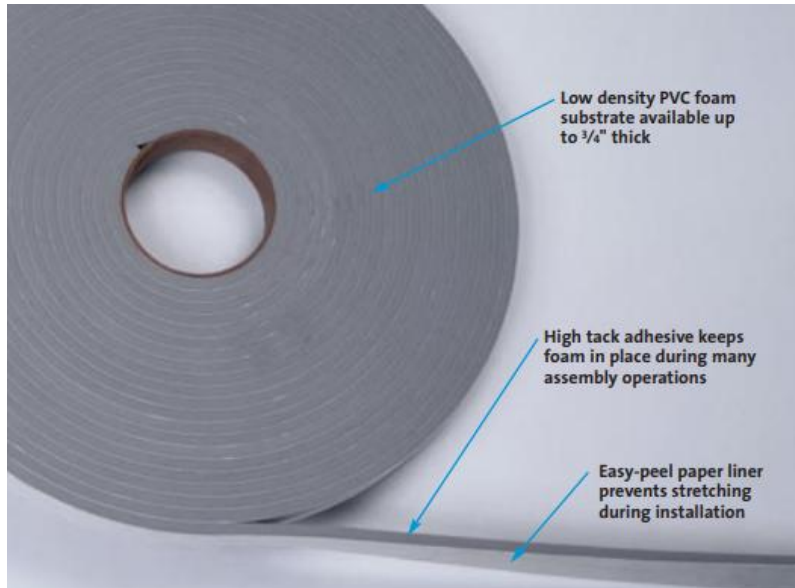
*Based on 30% compression

NTP is Norton Test Procedure

Parameter values are not guaranteed and will differ from lot to lot.

Norseal V730

Product Overview



Features/Benefits

- Excellent for light, dust, moisture seal and all general sealing needs
- Closed cell content develops positive seal at only 30% compression
- Rolls are dimensionally stable – will not ooze, drop or run under compression
- Colour: architectural grey
- Easy to radius, enhancing positive seal on curved surfaces
- Low thermal conductivity improves the energy efficiency of your structure
- Contours sound transmission and vibration – ideal for acoustical partitions
- Low deflection force reduces distortion of adjacent material

Norseal® Pressure-Sensitive Adhesive

The high-tack positioning adhesive grips tight on initial contact and keeps foam in place during assembly. The line on the non-adhesive side keeps slit rolls from falling apart.

Ideal for Irregular Contours and Curved Surfaces

Typical Applications

- Acoustical Partitions
- Suspended Ceilings
- Cold Rooms
- Vending Machines
- Culvert Pipes
- Hot Tubs
- Seals for Flashing
- Saunas
- Computer Cabinet Dust and Noise Seal
- Roof Top Air Conditioner Insulation
- Dust seal on analytic equipment

Norseal V730

Technical Data Sheet

Norseal V730 Standard Roll Sizes

| Widths: 1/4" to 56"* (6.35mm to 1.4m) | Colour: Black | 3" ID Cores |
|--|---------------------|-----------------|
| Product No. | Thickness, in. (mm) | Length, ft. (m) |
| V734 | 1/8 (3.2) | 100 (30.5) |
| V736 | 3/16 (4.8) | 50 (15.2) |
| V738 | 1/4 (6.4) | 50 (15.2) |
| V7312 | 3/8 (9.5) | 25 (7.6) |
| V7316 | 1/2 (12.7) | 25 (7.6) |
| V7320 | 5/8 (15.9) | 20 (6.1) |
| V7324 | 3/4 (19.1) | 15 (4.6) |

*Varies with Gauge

Storage: Material should be stored at 70°F (21°C), 50% relative humidity

Application Guide: Surfaces should be clean before applying. Do not remove liner until sealant is in proper position. Avoid touching adhesive surface before application. Saint-Gobain Performance Plastics recommends testing all sealants under individual application conditions and materials used prior to commercial use.

Please Note: Because Saint-Gobain Performance Plastics cannot anticipate or control every potential application, we strongly recommend testing of this product under individual application conditions prior to commercial use. The product contains plasticizer which may adversely affect some plastics.

Typical Physical Properties

| Property | Test Method | Value or Rating |
|---|--------------------|-----------------------------------|
| Density: lbs./cu/ft/ (kg/m ³) | ASTM D-1667 | 6.0 (96.1) |
| Hardness: Shore 00 | ASTM D-2240 | 13 |
| Force To Compress: PSI (kPa)* | ASTM D-1667 | 2.0 (13.8) |
| Compression Deflection: PSI (kPa)* | ASTM D-1667 | 1.1 (7.6) |
| Compression Set: % loss fr. Orig. ht.* | NTP-37 | 7.0 |
| Water absorption: % by volume | NTP-35 | 4.0 |
| 90° Peel Adhesion: oz./in/(N/m) 15min.dwell | PSTC-2 | 16 (175) |
| Elongation % | ASTM D-412 (Die A) | 140 |
| Tensile: PSI (kPa) | ASTM D-412 (Die A) | 15.0 (130) |
| Thermal Conductivity (BTU (in.))/(Sq.Ft.(hr.)°F) | ASTM C-518 | .25 |
| Recommended Service Temperature | - | -15°F to 160°F (-26°C to 71°C) |
| Recommended Application Temperature | - | 40°F to 125°F (4°C to 52°C) |

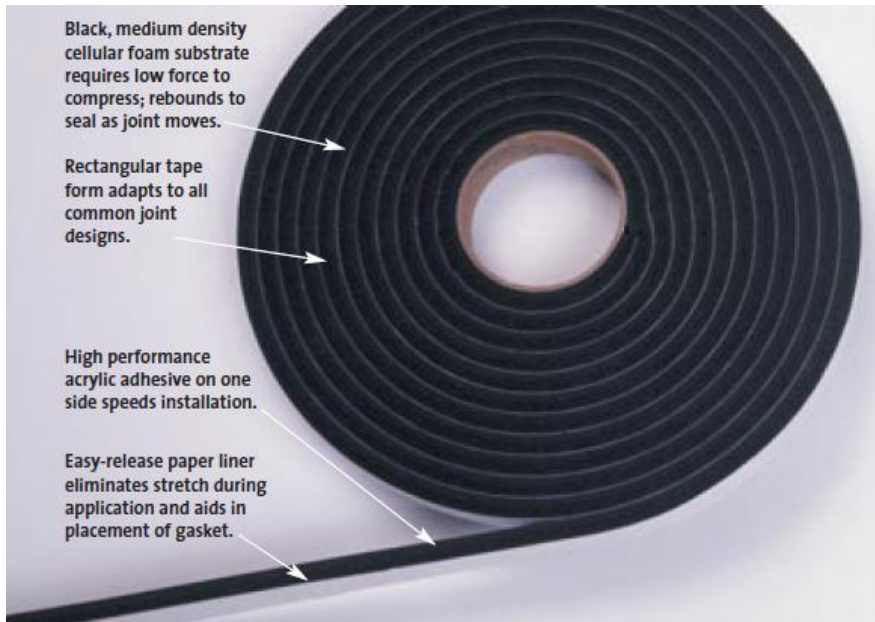
*Based on 30% compression

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Norseal V740

Product Overview



Norseal Log Home Foam V790 provides a positive air, water and dust seal in all common log home joint designs.

Medium Density, Multi-Purpose

Norseal V740 is a closed-cell polyvinyl chloride foam sealant with pressure-sensitive adhesive on one side designed to provide an economical solution to seal against light, air and moisture. Because Norseal has been specially formulated to provide superior performance with a reduced density foam, it is ideal for its applications such as appliance seals, wall panels, die-cut gaskets and window and door weatherstripping.

Conformable and Dimensionally Stable

Norseal provides excellent conformability to curved and irregular shapes, and is resistant to weather, fungi and oxidation, ensuring a long sealing life. In addition, Norseal is dimensionally stable. It will not drip, ooze or run when under compression. And, Norseal remains flexible at low temperatures.

Excellent Adhesion Eases Assembly

The pressure-sensitive adhesive on one side keeps the foam in place during many assembly operations. A paper liner eliminates stretching during installation, and the roll remains intact when handled. Norseal V740 series is available in grey and black.

Features/Benefits

Multipurpose medium density foam offers an economical alternative to caulks and other sealants

Conforms to curved and irregular shapes

Resistant to weather, fungi and oxidations

Flexible and low temperatures
Dimensionally stable

Typical Applications

- Appliance seals
- Electronic equipment
- Wall panels
- Die-cut gaskets
- Window and door weatherstripping
- Access doors
- Truck, cab and body seals
- Foundation to sill gaskets
- Seals for flashing

Norseal V740

Technical Data Sheet

Norseal V740 Standard Roll Sizes

| Widths: 1/4" to 56"* (6.35mm to 1.4m) | Colour: Black | 3" ID Cores |
|--|---------------------|-----------------|
| Product No. | Thickness, in. (mm) | Length, ft. (m) |
| V742 | 1/16 (1.6) | 200 (61) |
| V744 | 1/8 (3.2) | 100 (30) |
| V746 | 3/16 (4.8) | 50 (15) |
| V748 | 1/4 (6.3) | 50 (15) |
| V7412 | 3/8 (9.5) | 25 (8) |

*Varies with Gauge

Storage: Material should be stored at 70°F (21°C), 50% relative humidity

Application Guide: Surfaces should be clean before applying. Do not remove liner until sealant is in proper position. Avoid touching adhesive surface before application. Saint-Gobain Performance Plastics recommends testing all sealants under individual application conditions and materials used prior to commercial use.

Please Note: Because Saint-Gobain Performance Plastics cannot anticipate or control every potential application, we strongly recommend testing of this product under individual application conditions prior to commercial use. The product contains plasticizer which may adversely affect some plastics.

Typical Physical Properties

| Property | Test Method | Value or Rating |
|---|--------------------|-----------------------------------|
| Density: lbs./cu.ft/ (kg/m3) | ASTM D-1667 | 9 (144) |
| Hardness: Shore 00 | ASTM D-2240 | 28 |
| Force To Compress: PSI (kPa)* | ASTM D-1667 | 3.5 (24) |
| Compression Deflection: PSI (kPa)* | ASTM D-1667 | 2.0 (14) |
| Compression Set: % loss fr. Orig. ht.* | NTP-37 | 8 |
| Water absorption: % by volume | NTP-35 | 2.5 |
| 90° Peel Adhesion: oz./in/(N/m) 15min.dwell | PSTC-2 | 37.0 (405) |
| Elongation % | ASTM D-412 (Die A) | 100 |
| Tensile: PSI (kPa) | ASTM D-412 (Die A) | 40 (276) |
| Thermal Conductivity (BTU (in.))/(Sq.Ft.(hr.)°F) | ASTM C-518 | .28 |
| Recommended Service Temperature | - | -15°F to 160°F (-26°C to 71°C) |
| Recommended Application Temperature | - | 40°F to 125°F (4°C to 52°C) |

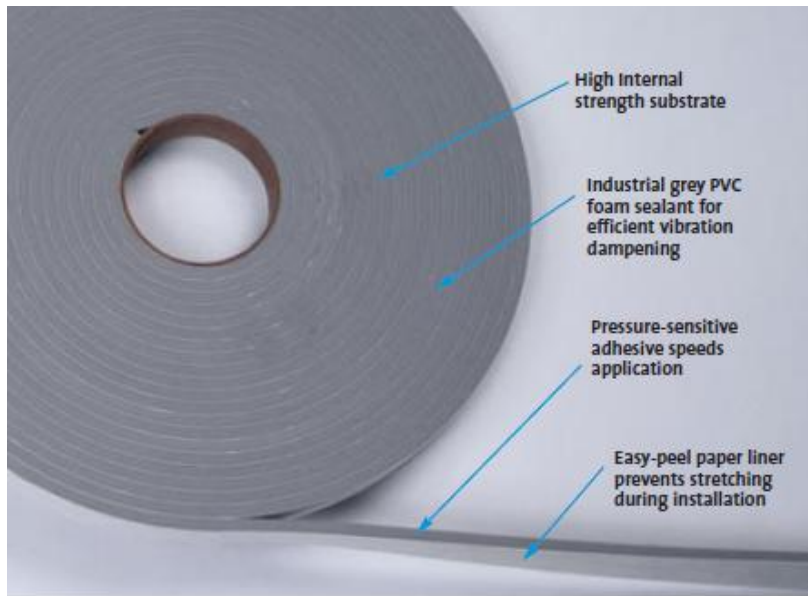
*Based on 30% compression

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Norseal V760

Product Overview



NORSEAL'S HIGH-DENSITY STRUCTURE ENSURES THAT IT IS DIMENSIONALLY STABLE UNDER COMPRESSION.

Seals and Dampens Vibration

Norseal V760 is a closed-cell PVC foam sealant with a pressure-sensitive adhesive on one side. Its high-density structure and multitude of tiny cells act like shock absorbers to seal and dampen vibration.

Firm, High-Density Foam for positive Seals

This shock-absorbing feature makes Norseal V760 ideal for die-cut applications and metal-to-metal sealing. Versatile and easy to use, Norseal V760 is designed to produce a positive seal in mechanically fastened assemblies with as little as 30 percent compression.

Conformable and Dimensionally Stable

Norseal V760 provides excellent conformability to curved and irregular shapes. It is resistant to weather, fungi and oxidation, ensuring a long sealing life. In addition, Norseal V760 is dimensionally stable. It will not drip, ooze or run under compression, and remains flexible at low temperatures.

Pressure-Sensitive Adhesive

The aggressive pressure-sensitive adhesive on one side of Norseal V760 facilitates high-speed application. The easy-peel liner eliminates stretching during installation, and removes easily after application. Norseal V760 series is available in grey. For specific low energy plastics, a specifically formulated adhesive, "LE" is available.

Closed-cell Polyvinyl Chloride Foam Sealant with Pressure-Sensitive Adhesive on one side

Features/Benefits

Dimensionally stable under compression

Good abrasion resistance

Design facilitates high-speed application

Liner removes easily after application

Resistant to weather, fungi and oxidation

Low water absorption for long sealing life

Provides insulating properties

Application

- Truck trailer joint seals
- Door frame assemblies
- Concrete forms
- Export container seals
- Die-cut gaskets
- Roof sealing for parapets
- Duct seals
- Appliance seals
- Truck cab overlap seals

Norseal V760

Technical Data Sheet

Norseal V760 Standard Roll Sizes

| Widths: 1/4" to 56"* (6.35mm to 1.4m) | Colour: Black | 3" ID Cores |
|--|---------------------|-----------------|
| Product No. | Thickness, in. (mm) | Length, ft. (m) |
| V762 | 1/16 (1.6) | 200 (61) |
| V763 | 3/32 (2.4) | 100 (30.5) |
| V764 | 1/8 (3.2) | 100 (30.5) |
| V766 | 3/16 (4.8) | 50 (15.25) |
| V768 | 1/4 (6.4) | 50 (15.25) |

*Varies with Gauge

Storage: Material should be stored at 70°F (21°C), 50% relative humidity

Application Guide: Surfaces should be clean before applying. Do not remove liner until sealant is in proper position. Avoid touching adhesive surface before application. Saint-Gobain Performance Plastics recommends testing all sealants under individual application conditions and materials used prior to commercial use.

Please Note: Because Saint-Gobain Performance Plastics cannot anticipate or control every potential application, we strongly recommend testing of this product under individual application conditions prior to commercial use. The product contains plasticizer which may adversely affect some plastics.

Typical Physical Properties

| Property | Test Method | Value or Rating |
|---|--------------------|-----------------------------------|
| Density: lbs./cu.ft/ (kg/m ³) | ASTM D-1667 | 15 (240) |
| Hardness: Shore 00 | ASTM D-2240 | 45 |
| Force To Compress: PSI (kPa)* | ASTM D-1667 | 7.2 (50) |
| Compression Deflection: PSI (kPa)* | ASTM D-1667 | 3.4 (23) |
| Compression Set: % loss fr. Orig. ht.* | NTP-37 | 4 |
| Water absorption: % by volume | NTP-35 | 3 |
| 90° Peel Adhesion: oz./in/(N/m) 15min.dwell | PSTC-2 | 10 (109) |
| Elongation % | ASTM D-412 (Die A) | 140 |
| Tensile: PSI (kPa) | ASTM D-412 (Die A) | 55 (379) |
| Thermal Conductivity (BTU (in.))/(Sq.Ft.(hr.)°F) | ASTM C-518 | .30 |
| Recommended Service Temperature | - | -15°F to 160°F (-26°C to 71°C) |
| Recommended Application Temperature | - | 40°F to 125°F (4°C to 52°C) |

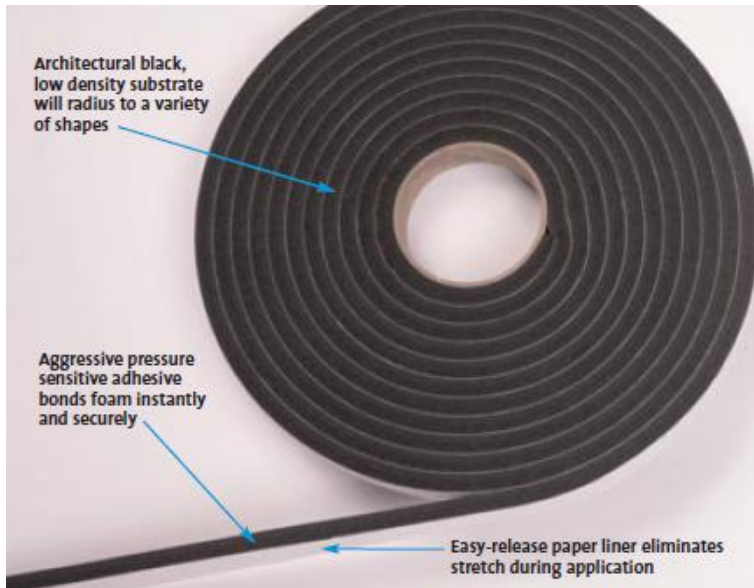
*Based on 30% compression

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Parameter values are not guaranteed and will differ from lot to lot.

Norseal V770

Product Overview



Closed cell polyvinyl chloride foam sealant with pressure sensitive adhesive on one side.

Features/Benefits

- 30% compression provides an excellent seal against light, dust and water in mechanically fastened assemblies
- Excellent resistance to weather, fungi, and oxidation provides a long sealing life
- Will not crack in cold temperatures
- Colour: black
- Superb closed cell structure of foam provides a positive seal
- Low force to compress means faster and easier formation of a positive seal
- Flexibility facilitates use in radius corners
- Low density sealant allows easy assembly of large wall systems

Norseal® Acrylic Adhesive

The tight bonding adhesive keeps sealant in place during each stage of product assembly. The adhesive is on the non-liner side, making installation easier and quicker.

Low Density Foam Suitable for Sealing of Thin Gauge Metals and Plastics

Typical Applications

- Curtainwall
- Precast Concrete Wall
- Refrigeration
- Telecommunications
- Pneumatic System Seals
- Retail Weatherstrip
- Bus and Off-road Vehicles
- Air Conditioning
- Environmentally Controlled Rooms

Norseal V770

Technical Data Sheet

Norseal V770 Standard Roll Sizes

| Widths: 1/4" to 56"* (6.35mm to 1.4m) | Colour: Black | 3" ID Cores |
|--|---------------------|-----------------|
| Product No. | Thickness, in. (mm) | Length, ft. (m) |
| V774 | 1/8 (3.2) | 100 (30.5) |
| V776 | 3/16 (4.8) | 50 (15.2) |
| V778 | 1/4 (6.4) | 50 (15.2) |
| V7712 | 3/8 (9.5) | 25 (7.6) |
| V7716 | 1/2 (12.7) | 25 (7.6) |

*Varies with Gauge

Storage: Material should be stored at 70°F (21°C), 50% relative humidity

Application Guide: Surfaces should be clean before applying. Do not remove liner until sealant is in proper position. Avoid touching adhesive surface before application. Saint-Gobain Performance Plastics recommends testing all sealants under individual application conditions and materials used prior to commercial use.

Please Note: Because Saint-Gobain Performance Plastics cannot anticipate or control every potential application, we strongly recommend testing of this product under individual application conditions prior to commercial use. The product contains plasticizer which may adversely affect some plastics.

Typical Physical Properties

| Property | Test Method | Value or Rating |
|--|--------------------|-----------------------------------|
| Density: lbs./cu/ft/ (kg/m ³) | ASTM D-1667 | 6.0 (96.1) |
| Hardness: Shore 00 | ASTM D-2240 | 18 |
| Force To Compress: PSI (kPa)* | ASTM D-1667 | 2.0 (13.8) |
| Compression Deflection: PSI (kPa)* | ASTM D-1667 | 1.3 (9.0) |
| Compression Set: % loss fr. Orig. ht.* | NTP-37 | 8.0 |
| Water absorption: % by volume | NTP-35 | 3.0 |
| 90° Peel Adhesion: oz./in/(N/m) 15min.dwell | PSTC-2 | 24 (262) |
| Elongation % | ASTM D-412 (Die A) | 125 |
| Tensile: PSI (kPa) | ASTM D-412 (Die A) | 17.0 (117) |
| Thermal Conductivity (BTU (in.)/(Sq.Ft.(hr.)°F) | ASTM C-518 | .27 |
| Recommended Service Temperature | - | -15°F to 160°F (-26°C to 71°C) |
| Recommended Application Temperature | - | 40°F to 125°F (4°C to 52°C) |

*Based on 30% compression

NTP is Norton Test Procedure

Parameter values are not guaranteed and will differ from lot to lot.

Norseal V780

Product Overview



This improved performance medium density foam meets the FMVSS 302 Flammability Standard.

Improved Performance

Norseal® V780 is a medium density foam sealant that combines a closed cell polyvinyl chloride foam substrate with a one-sided, pressure-sensitive adhesive. Norseal has been specifically formulated to provide superior performance with a reduced density foam, and is ideal for applications such as small appliance seals, corrugated wall seals, machinery enclosures, buses and off-road vehicles, HVAC seals and window and door seals.

Closed Cell Foam

- Meets FMVSS 302 Flammability standard
- Superb closed cell structure of foam uses less material to achieve a positive seal
- Consistent seal with a minimum of 30% compression
- Available in black

Pressure-Sensitive Adhesive

- High performance adhesive coating eliminates messy adhesive application
- Liner is on the non-adhesive side. The roll stays together during handling with no stretching with applied

Medium Density

- Specifically designed to provide high performance with a reduced density foam
- Excellent weathering, oxidation and fungi resistance provides long life.
- Formulated to prevent water infiltration on irregular surfaces

Typical Applications

Multipurpose medium density closed cell foam uses less material to achieve a positive seal

Meets FMVSS 302 flammability standard

Prevents water infiltration on irregular surfaces

Resistant to weather, fungi and oxidation

Broad service temperature range

Dimensionally stable

Typical Applications

- Corrugated wall seals
- Lighting appliances
- Small appliances
- Door and window seals
- Machinery enclosures
- Buses and off-road vehicles
- Concrete forms
- HVAC seals

Norseal V780

Technical Data Sheet

Norseal V780 Standard Roll Sizes

| Widths: 1/4" to 56"* (6.35mm to 1.4m) | Colour: Black | 3" ID Cores |
|--|---------------------|-----------------|
| Product No. | Thickness, in. (mm) | Length, ft. (m) |
| V782 | 1/16 (1.6) | 200 (61) |
| V784 | 1/8 (3.2) | 100 (30) |
| V786 | 3/16 (4.8) | 50 (15) |
| V788 | 1/4 (6.3) | 50 (15) |
| V7812 | 3/8 (9.5) | 25 (8) |

*Varies with Gauge

Storage: Material should be stored at 70°F (21°C), 50% relative humidity

Application Guide: Surfaces should be clean before applying. Do not remove liner until sealant is in proper position. Avoid touching adhesive surface before application. Saint-Gobain Performance Plastics recommends testing all sealants under individual application conditions and materials used prior to commercial use.

Please Note: Because Saint-Gobain Performance Plastics cannot anticipate or control every potential application, we strongly recommend testing of this product under individual application conditions prior to commercial use. The product contains plasticizer which may adversely affect some plastics.

Typical Physical Properties

| Property | Test Method | Value or Rating |
|---|--------------------|-----------------------------------|
| Density: lbs./cu.ft/ (kg/m ³) | ASTM D-1667 | 9 (144) |
| Hardness: Shore 00 | ASTM D-2240 | 28 |
| Force To Compress: PSI (kPa)* | ASTM D-1667 | 3.5 (24) |
| Compression Deflection: PSI (kPa)* | ASTM D-1667 | 2.5 (17) |
| Compression Set: % loss fr. Orig. ht.* | NTP-37 | 5.0 |
| Water absorption: % by volume | NTP-35 | 2.5 |
| 90° Peel Adhesion: oz./in/(N/m) 15min.dwell | PSTC-2 | 16.0 (175) |
| Elongation % | ASTM D-412 (Die A) | 135 |
| Tensile: PSI (kPa) | ASTM D-412 (Die A) | 49 (338) |
| Thermal Conductivity (BTU (in.))/(Sq.Ft.(hr.)°F) | ASTM C-518 | .28 |
| Recommended Service Temperature | - | -15°F to 160°F (-26°C to 71°C) |
| Recommended Application Temperature | - | 40°F to 125°F (4°C to 52°C) |

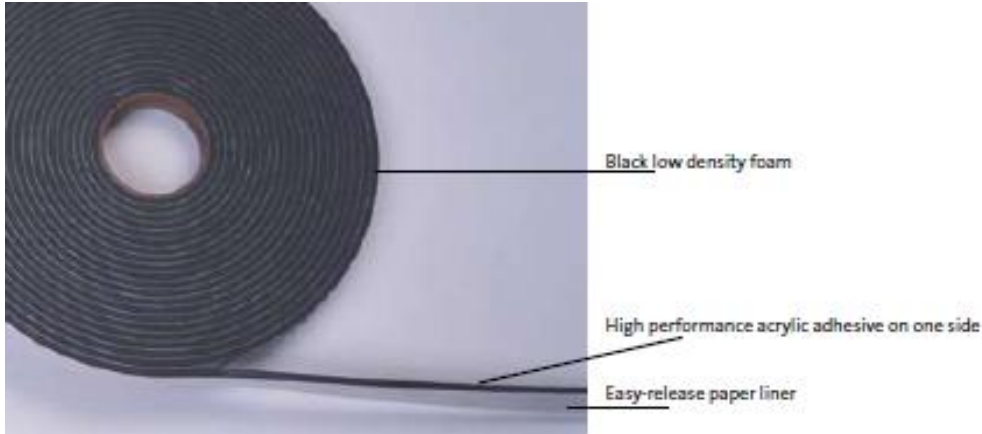
*Based on 30% compression

NTP is Norton Test Procedure

Parameter values are not guaranteed and will differ from lot to lot.

Norseal V820

Product Overview



Engineered for easy compression

NORSEAL® V820 is very soft, low density foam that has been engineered for easy compression. Since it can withstand a wide range of temperatures, it can be used in all climates, NORSEAL® adapts easily to irregular surfaces. It is easy to radius, enhancing positive seal on curved surfaces. NORSEAL® can be used anywhere a soft, comfortable foam product is required.

Superior performance in a low-density installation

NORSEAL's special formulation allows it to provide superior performance at a reduced force to compress. Its low deflection force causes no distortion of thin-gauge plastics and metals. NORSEAL's low thermal conductivity improves energy efficiency. And, NORSEAL® controls sound transmission and vibration, which makes it ideal for acoustical attenuation.

Aggressive adhesive simplifies installation

NORSEAL's aggressive adhesive allows for easy installation. An easy-release paper liner eliminates stretch during installation. And, a high performance acrylic adhesive on one side speeds installation. NORSEAL's high-tack positioning adhesive grips tightly on initial contact, which ensures that the foam stays in place during assembly.

Standard roll sizes

NORSEAL® is available in black in widths of 1/4" to 56", lengths from 25' to 100' and a variety of thicknesses.

Closed Cell PVC Foam Sealant with Pressure Adhesive on one side

Features/Benefits

- Dimensionally stable under compression
- Withstands a wide temperature range
- Low deflection force causes no distortion of thin-gauge positive seal on curved surfaces
- Very comfortable, adapts easily to irregular surfaces

Typical Applications

- Light and dust seals
- Suspended Ceilings
- Refrigeration
- Wall systems
- Environmentally controlled rooms
- Electronic equipment cabinets
- Toolbox lid seal
- Anti-squeak seal

Norseal V820

Technical Data Sheet

Norseal V820 Standard Roll Sizes

| Widths: 1/4" to 56"* (6.35mm to 1.4m) | Colour: Black | 3" ID Cores |
|--|----------------|-------------|
| Product No. | Thickness, in. | Length, ft. |
| V824 | 1/8 | 100 |
| V826 | 3/16 | 50 |
| V828 | 1/4 | 50 |
| V8212 | 3/8 | 25 |
| V8216 | 1/2 | 25 |

*Varies with Gauge

Storage: Material should be stored at 70°F (21°C), 50% relative humidity

Application Guide: Surfaces should be clean before applying. Do not remove liner until sealant is in proper position. Avoid touching adhesive surface before application. Saint-Gobain Performance Plastics recommends testing all sealants under individual application conditions and materials used prior to commercial use.

Please Note: Because Saint-Gobain Performance Plastics cannot anticipate or control every potential application, we strongly recommend testing of this product under individual application conditions prior to commercial use. The product contains plasticizer which may adversely affect some plastics.

Typical Physical Properties

| Property | Test Method | Value or Rating |
|---|-----------------------|-----------------------------------|
| Density: lbs./cu/ft/ (kg/m3) | ASTM D-1667 | 6.0 (96.1) |
| Hardness: Shore 00 | ASTM D-2240 | 10 |
| Force To Compress: PSI (kPa)* | ASTM D-1667 | 1.7 (1378) |
| Compression Deflection: PSI (kPa)* | ASTM D-1667 | 0.5 (3.4) |
| Compression Set: % loss fr. Orig. ht.* | NTP-37 | 4.0 |
| Water absorption: % by volume | NTP-35 | 5.0 |
| 90° Peel Adhesion: oz./in/(N/m) 15min.dwell | PSTC-2 | 64 (700) |
| Elongation % | ASTM D-412 (Die A) | 125 |
| Tensile: PSI (kPa) | ASTM D-412 (Die A) | 13.7 (94) |
| Thermal Conductivity (BTU (in.))/(Sq.Ft.(hr.)°F) | ASTM C-518 | .27 |
| Recommended Service Temperature | - | -30°F to 180°F (-34°C to 82°C) |
| Recommended Application Temperature | - | 40°F to 125°F (4°C to 52°C) |

*Based on 30% compression
NTP is Norton Test Procedure
Parameter values are not guaranteed and will differ from lot to lot.

Korel K20 & K30 Series

Product Overview



Thin gauge, very soft, low deflection, conformable microcellular urethane foam with excellent compression set resistance

Features/Benefits

Reduced force to compress – easier to assemble parts, and less stress on components

Conformable foam – maintains a seal on parts with variable dimensions, and absorbs expansion contraction movement

Excellent compression set resistance
Resistant to moisture and most chemicals

Available cast onto polyester film for stability

Available with adhesive on one side

Typical Applications

LCD gaskets

Lens and cover seals

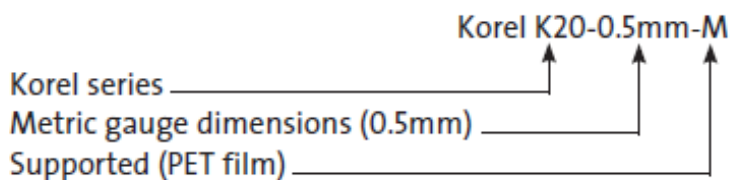
Casing/housing seals

Speaker and sound management gaskets

Korel – Thin/Soft

Korel K20 and K30 Series micro-cellular urethane foams now include thin gauge formulations. The products are available from 0.3mm to 1.0mm. These very soft conformable foams maintain excellent compression set resistance even under elevated temperatures. The more conformable foam allows for improves sealability on parts with variable dimensions and will absorb thermal expansion/contraction movement. These products are offered on PET liner for stability and aid in die-cutting.

To reflect the industry trend, these products are provided in metric gauges.



Korel K20 & K30

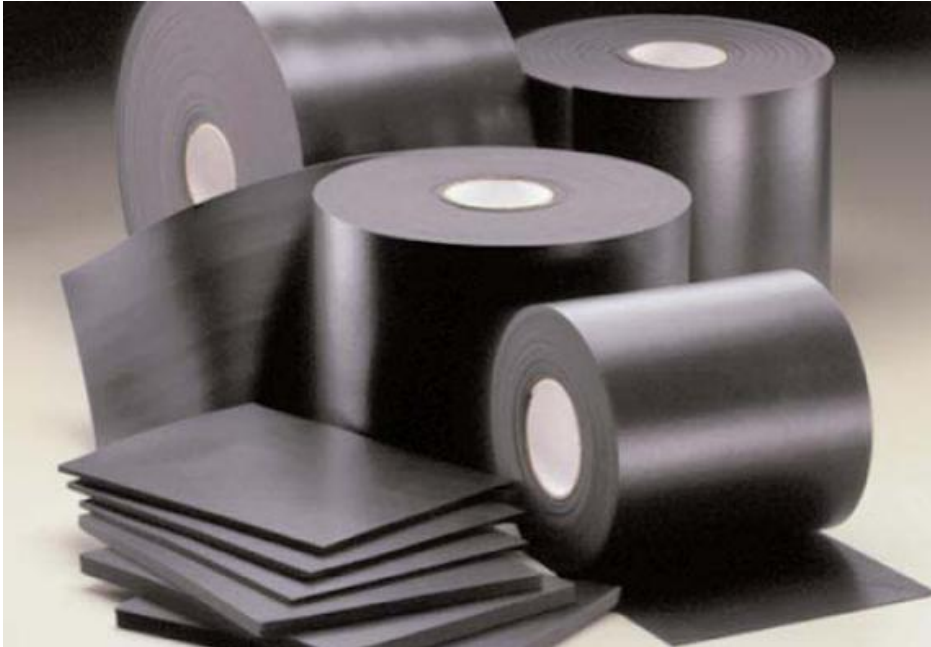
Technical Data Sheet

KOREL K20 & K30 THIN/SOFT SERIES

| Properties | Test Method | Korel 20 | | | Korel K30 |
|--|-------------------------------------|----------------------|--------------------------------|----------------------|-------------------------------|
| PHYSICAL | | | | | |
| Density, kg/m ³ (lb,ft ³) | ASTM D3574 | 350 (22) | 350 (22) | 350 (22) | 480 (30) |
| Thickness, mm (inches) | | 1.0mm (0.04) | 0.8mm (0.032) 0.7mm (0.028) | 0.5mm (0.020) | 0.3mm (.012) 0.4mm (0.016) |
| Standard Colour | | Black | Black | Black | Black |
| Compression Set, % 50% @ 73°F (23°C) 50% @ 158°F (70°C) | ASTM D3574 Test D | 2 <10 | 2 <10 | 2 <10 | 2 <15 |
| Compression Force Deflection kPa (psi) 12.7mm/min@25%-1min.dwell | ASTM D3574 Test C | 14 (2) | 17 (2.52) | 21 (3) | 38 (5.5) |
| Force to compress Kpa (psi) 12.7mm/min @25%instantaneous | ASTM D3574 Test C | 17 (2.5) | 23 (3.4) | 28 (4) | 49 (7) |
| THERMAL | | | | | |
| Recommended Constant Use, max | | 70°C (158°F) | 70°C (158°F) | 70°C (158°F) | 70°C (158°F) |
| Recommended intermittent Use, max | | 121°C (250°F) | 121°C (250°F) | 121°C (250°F) | 121°C (250°F) |
| Storage Temperature | 100°C for 1000hrs | Pass | Pass | Pass | Pass |
| Thermal Conductivity, W/m-c (BTU-in/hr-sq ft-F) | ASTM E1530 | 0.086 (0.6) | 0.086 (0.6) | 0.086 (0.6) | 0.086 (0.6) |
| ENVIRONMENTAL | | | | | |
| Fogging | SAE-J 1756 3 hrs @ 100°C (257°F) | Pass | Pass | Pass | Pass |
| Outgassing TML% CVCM% WVR% | ASTM E595 24 hr @ 110°C (257°F) | 1.06 0.25 0.14 | 1.06 0.25 0.14 | 1.06 0.25 0.14 | 1.06 0.25 0.14 |
| ELECTRICAL | | | | | |
| Surface resistivity, oms/sq | ASTM D257 | 3 x 10 ¹⁵ | 3 x 10 ¹⁵ | 3 x 10 ¹⁵ | 3 x 10 ¹⁵ |
| Volume Resistivity, ohm com | ASTM D257 | 4 x 10 ¹⁴ | 4 x 10 ¹⁴ | 4 x 10 ¹⁴ | 4 x 10 ¹⁴ |
| Dielectric Strength, volts/min | ASTM D149 | 47 | 47 | 47 | 47 |

Korel K40 Series

Product Overview



Korel K40 Series Micro-cellular Polyurethane Foams

Korel K40 series is a medium deflection urethane foam with minimal compression set and low out-gassing that exceeds fogging requirements.

Gasketing – Korel has excellent resistance to compression set and high resiliency that ensures the seal will not break down over extended use, making it a preferred choice for gasketing applications

Control of Unwanted Energy – The Korel line of cushioning foam is ideal for controlling unwanted energy. These special formulations protect sensitive components by damping shock, dissipating motion, isolating vibration, and absorbing impact energy.

Non-standard products (optional – liners, adhesive or colour) can be produced by special order. Minimum and extended lead times may apply.

Engineered for High Performance Gasketing Applications

Features/Benefits

Excellent compression set-resistance

Highly resilient (will not collapse)

Dissipates stresses

Resistant to moisture and most chemicals

Conformable and flexible even in extreme environmental conditions

Easy to achieve intricate die-cut parts

Aggressive acrylic adhesive (optional) facilitates assembly

Available cast on to polyester film for stability

Typical Applications

Cellular Telephones
Electrical Enclosures
Electronic Gasketing
Vibration Damping
Cushioning
Acoustical Control
Bumpers
Instrument Panels
Spacers

Korel K40 Series

Technical Data Sheet

Korel K40 Series Micro-Cellular Polyurethane Foams

| Properties | Test Method | Korel 40 | | |
|---|----------------------------------|--|--------------------------|------------------------|
| PHYSICAL | | | | |
| Density, lb,ft ³ (kg/m ³) | ASTM D3574 | 20 (320) | 30 (480) | 35 (560) |
| Thickness, inches (mm) | | .062 (1.5) 0.94 (2.4) .125 (3.2) .188 (4.8) .250 (6.4) | .020 (0.5) .030 (0.8) | .015 (0.4) |
| Standard Colour | | Black | Black | Black |
| Compression Set, % @ 73°F (23°C) @ 158°F (70°C) | ASTM D3574 Test D | <2 <7 | <2 <7 | <2 <7 |
| Compression Force Deflection PSI (kPa) 12.7mm/min@25% | ASTM D3574 Test C | 10 (69) | 9 (62) | 12 (82) |
| Force to Compress @ 25% PSI (kpa) | ASTM D1667 | 18 (124) | 13 (90) | 19 (124) |
| Recommended intermittent Use, max | | 121°C (250°F) | 121°C (250°F) | 121°C (250°F) |
| Hardness, Durometer | Shore “O” | 52 | - | - |
| Tear Strength, pli (kN/m) | ASTM D624 Die C | 26 (4.6) | 20 (3.5) | 20 (3.5) |
| Tensile Elongation % | ASTM D3574 | 380 | 250 | 250 |
| Tensile Strength, psi (kPa) | ASTM D3574 | 198 (1363) | 60 (414) | 60 (414) |
| Modulus psi (kPa) | ASTM D3574 | 85 (587) | 50 (345) | 50 (345) |
| THERMAL | | | | |
| Temperature Resistance | | | | |
| Recommended Constant use, max | | 158°F (70°C) | 158°F (70°C) | 158°F (70°C) |
| Recommended Intermittent use, max | | 250°F (121°C) | 250°F (121°C) | 250°F (121°C) |
| Thermal Conductivity, W/m-c (BTU-in/hr-sq ft-F) | ASTM E1530 | 0.6 (0.086) | 0.6 (0.086) | 0.6 (0.086) |
| ENVIRONMENTAL | | | | |
| Fogging | SAE-J 1756 3 hrs @ 100°C (212°F) | Pass | - | - |
| Outgassing | ASTM E595 24 hr @ 257°F | | | |
| TML% | | 1.18 | 2.22 | 2.22 |
| CVCm% | | 0.25 | .030 | .030 |
| WVR% | | - | 0.160 | .160 |
| Water Absorption % wt.gain | AMS 3568-95 | 10 | 10 | 10 |
| UL Testing (JMST2) | UL 50 abd UL 508 | File MH26338 | File MH26338 | File MH26338 |
| ELECTRICAL | | | | |
| Surface Resistivity, ohm/sq | ASTM D257 | 1.5 x 10 ³ | 1.5 x 10 ³ | 1.5 x 10 ³ |
| Volume Resistivity, ohm com | ASTM D257 | 3.2 x 10 ¹⁴ | 3.2 x 10 ¹⁴ | 3.2 x 10 ¹⁴ |
| Dielectric Strength, volts/min | ASTM D149 | 47 | 47 | 47 |