

K30 SERIES



FOAM Sealant

ISO 9001:2015 CERTIFIED

Soft Micro-Cellular Polyurethane Foam

Norseal® K30 Series is a soft, conformable, low deflection, urethane foams offering excellent compression set resistance and low out-gassing that exceeds fogging requirements. K30 is ideal for open/close applications.

The Norseal K30 Series is specially designed to provide the following features:

- 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 Sizes

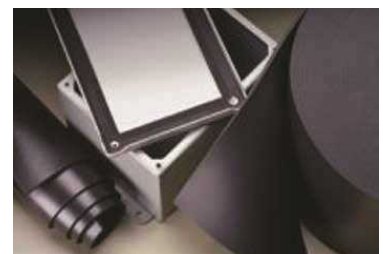
Standard thickness: .063 and .125 in. (1.6 and 3.2 mm)

Master roll size: 56 in. (1422 mm) width. Length varies with thickness.

Color: Black

Other Micro-Cellular Urethane Foams

A full line of micro-cellular foams has been developed. By varying the modulus and density, a broad product group has been created that is categorized by degree of deflection force.



Applications

- Electrical enclosures
- Automotive Instrument panels
- Electronic gasketing
- Cellphones
- Appliance/Office Equipment
- Foot Pads
- Vibration damping
- Cushioning
- Acoustical control
- Spacers



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SAINT-GOBAIN

NORSEAL

K30 Series – Typical Properties

Performance tests are run using standard test procedures. The values presented are typical values and should not be used for specification purposes.

Physical	Test Method	K30	
Density lb./ft. ³ (kg/m ³)	ASTM D3574	25 (400)	20 (320)
Thickness in (mm)	—	0.063 (1.6)	0.125 (3.2)
Standard Color	—	Black	Black
Compression Set %: @ 73°F (23°C) @ 158°F (70°C)	ASTM D3574 Test D	< 3 < 7	< 3 < 7
Compression Force Deflection, psi (kPa) 12.7 mm/min @ 25% Deflection	ASTM D3574 Test C	6 (41)	5 (35)
Force to Compress @ 25%, psi (kPa)	ASTM D1667	8 (55)	8 (55)
Hardness, Durometer	Shore "O"	—	20
Tear Strength, pli (kN/m)	ASTM D624 Die C	15 (2.7)	15 (2.7)
Tensile Elongation, %	ASTM D3574	340	400
Tensile Strength, psi (kPa)	ASTM D3574	100 (690)	100 (690)
Modulus psi (kPa)	ASTM D3574	40 (276)	35 (240)

Thermal

Temperature Resistance Recommended Constant Use, max Recommended Intermittent Use, max		158°F (70°C) 250°F (121°C)	158°F (70°C) 250°F (121°C)
Thermal Conductivity, BTU-in/hr-sq ft°F (W/m-C)	ASTM E1530	0.6 (0.086)	0.6 (0.086)

Environmental

Fogging	SAE-J 1756, 3 hrs. @ 212°F (100°C)	Pass	Pass
Outgassing: TML % CVCM % WVR %	ASTM E595, 24 hr. @ 257	0.76 0.25	0.76 0.13
Water Absorption, % wt. gain	AMS 3568-95	15	15

Electrical

Surface Resistivity ohm/sq	ASTM D257	9.1 × 10 ¹³	9.1 × 10 ¹³
Volume Resistivity ohm.cm	ASTM D257	2.0 × 10 ¹²	2.0 × 10 ¹²
Dielectric Strength volts/mil	ASTM D149	48	48

K30 – Standard Roll Size

Item	Thickness in. (mm)	Length ft. (m)
K30-063-M	0.063 (1.6)	164 (50)
K30-125	0.125 (3.2)	100 (30.5)

K30 – Liners

Item	Liner
K30-063-M	Permanent 2 mil Polyester
K30-125	Paper Release

Important Instructions

Because we cannot anticipate or control every potential application, we strongly recommend testing of this product under individual application conditions prior to commercial use.

- Recommended service temperature is between -40 to 158°F (-40 to 70°C).
- For PSA Option, surfaces must be clean and free of oil, grease, moisture, dust and dirt. Isopropyl alcohol is good for cleaning the surface. Do not remove liner until tape is in proper position. Avoid touching adhesive surface before application.

Shelf Life

12 months after the date of sale when stored in original packaging at temperatures up to 70°F (21°C) and 50% relative humidity.