

K60 SERIES

Very Firm, Micro-Cellular Polyurethane Foam

Saint-Gobain® Norseal® K60 Series Micro-cellular Urethane Foam is manufactured by **Saint-Gobain** Performance Plastics Corporation, Tape Solutions business, and comes with a specially formulated foam for use in applications requiring thin gauge and tight tolerances. High density and internal strength resists tearing and deformation in the most demanding uses while the unique cell structure provides excellent sealing.

The **Norseal** K60 Series is specially intended to provide the following features:

- Dissipates stresses
- Resistant to moisture and most chemicals
- Conformable and flexible under extreme environmental conditions
- Aggressive acrylic adhesive (optional) facilitates assembly

Available Sizes

Standard thickness: .012 in. (.30 mm)

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

Other Micro-Cellular Urethane Foams

Saint-Gobain has developed a full line of micro-cellular foams. By varying the modulus and density, we have created a broad product group 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

Norseal K60 Series — Properties

(Formerly known as Korel)

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

Property	Test Method	K60
Physical		
Density, lb/ft ³ (kg/m ³)	ASTM D3574	40 (640)
Thickness, inches (mm)	-	.012 (0.3)
Standard Color	-	Black
Compression Set, % @ 73°F (23°C) @ 158°F (70°C)	ASTM D3574 Test D	<3 <7
Compression Force Deflection, psi (kPa) 12.7 mm/min @ 25% Deflection	ASTM D3574 Test C	35 (240)
Force to Compress @ 25%, psi (kPa)	ASTM D1667	80 (550)
Tear Strength, pli (kN/m)	ASTM D624 Die C	35 (6)
Tensile Elongation, %	ASTM D3574	300
Tensile Strength, psi (kPa)	ASTM D3574	290 (2000)
Modulus psi (kPa)	ASTM D3574	160 (1100)
Thermal		
Temperature Resistance Recommended Constant Use, max Recommended Intermittent Use, max	-	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)
Environmental		
Fogging	SAE-J 1756, 3 hrs. @ 212°F (100°C)	Pass
Outgassing TML % CVCM % WVR %	ASTM E595, 24 hr. @ 257	0.78 0.19 0.34
Electrical		
Surface Resistivity, ohm/sq	ASTM D257	2.3 × 10 ¹³
Volume Resistivity, ohm.cm	ASTM D257	1.3 × 10 ¹⁴
Dielectric Strength, volts/mil	ASTM D149	50

Options (subject to minimum order requirements)

Acrylic Pressure sensitive adhesive (PSA) available on 1 side as option.

Important Instructions

- Because **Saint-Gobain** 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.

IMPORTANT: It is the user's responsibility to ensure the suitability and safety of Saint-Gobain products for all intended uses and that the materials to be used comply with all applicable regulatory requirements. Saint-Gobain assumes no responsibility for any product failures that occur due to your actions or inactions, including your use, design, fabrication or application of the products into which the materials are incorporated.

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