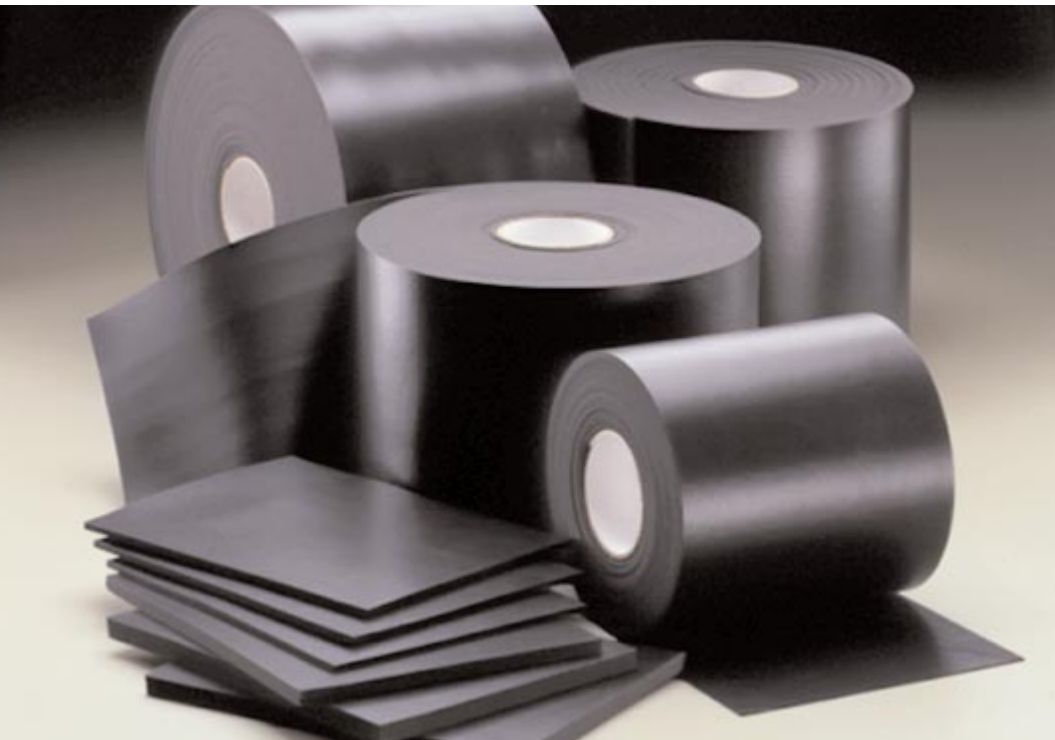


Formerly K800012 Korel® K60 Series



Very firm deflection, micro-cellular urethane foam with excellent gauge tolerance.

Features/Benefits

- Resistant to moisture and most chemicals
- Conformable and flexible under extreme environmental conditions
- Available cast onto polyester film for low deformation
- Available without adhesive, or with adhesive on one

Typical Applications

- Vibration Damping
- Acoustical Control
- Cushioning
- Electronic Gasketing

Korel® K60 Series Micro-cellular Polyurethane Foams

Korel® K60 series micro-cellular urethane foam is 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.

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 color) can be produced by special order. Minimum and extended lead times may apply.

Other Korel® Foams

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

* Formerly K800012

NOTE:Korel K60 series is provided with paper liner. Options include polyester support film, and configurations with adhesive on one side.

Korel® K60 Series Micro-cellular Polyurethane Foams

Property	Test Method	Korel® K60
Physical		
Density, lb/ft ³ (kg/m ³)	ASTM D3574	40 (640)
Thickness, inches (mm)		.012 (0.3)
Standard Color		Black
Compression Set, %	ASTM D3574 Test D	
@ 73°F (23°C)		<3
@158°F (70°C)		<7
Compression Force Deflection, psi (kPa)	ASTM D3574 Test C	
12.7 mm/min @ 25% Deflection		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		158°F (70°C)
Recommended Intermittent Use, max		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 %	0.78
	CVCM %	0.19
	WVR %	0.34
UL Testing (JMST2)	UL 50 and UL 508	File MH26338
Electrical		
Surface Resistivity, ohm/sq	ASTM D257	2.3 X 10 ¹³
Volume Resistivity, ohm.cm	ASTM D257	1.3 X 10 ¹²
Dielectric Strength, volts/mil	ASTM D149	50

Please Note: Because Saint-Gobain Performance Plastics cannot anticipate or control every potential application, we strongly recommend testing of this product under actual application conditions prior to commercial use.

Korel® is a registered trademark.



PERFORMANCE PLASTICS

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