

K10/K20/K30 THIN SUPPORTED

Engineered for High Performance Gasketing Applications

Gasketing - **Norseal**® PUR 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 **Norseal** PUR 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.

Norseal K Series Micro-cellular Polyurethane Foam

The **Norseal** series micro-cellular polyurethane foams are offered in a broad range of properties, making them ideal for a variety of gasketing and energy absorption needs.

Norseal micro-cellular foams are categorized by degree of deflection force. By varying the modulus and density, **Saint-Gobain**® has developed this series of materials that meets the demands of design engineers today. Most Korel foams are available with an aggressive acrylic adhesive on one side to facilitate placement.

K10/K20/K30 Thin supported - Foams processed on PET film for improved stability. Ideal for seals around LCD and hand held devices.

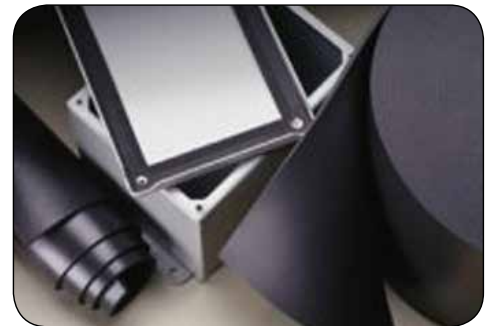
K10 foams are super soft, suit for high compression rate but low deflection force need.

K20 foams are very soft and highly conformable, with a very low force to deflect.

K30 foams are soft, conformable, low deflection, urethane foams offering excellent compression set resistance. Ideal for open/close 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 and low deformation



APPLICATIONS

- Cellular telephones
- Electrical enclosures
- Electronic gasketing
- Vibration damping
- Cushioning
- Acoustical control
- Bumpers
- Instrument panels
- Spacers

Norseal K10/K20/K30 – 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	K10	K20	K30
Density lb./cu. ft. (kg/m ³)	ASTM D3574	11 (175)	24 (380)	45 (720)
CFD, psi (kPa) 12.7mm/min @ 25% Deflection	ASTM D3574 Test C	1.4 (10)	2.6 (18)	45 (311)
FTC psi (kPa) @ 25% Deflection	ASTM D1667	1.6 (11)	3 (21)	60 (414)
Compression Set % @ 73°F (23°C) @ 158°F (70°C)	ASTM D3574 Test D	< 5 < 10		
Constant Use, Max		158°F (70°C)		
Intermittent Use, Max		250°F (121°C)		
Thermal Conductivity BTU- in/hr-sqft°F (W/m- C)	ASTM E1530	0.6 (0.086)		
Surface Resistivity ohm/sq	ASTM D257	3 X 10 ¹⁵		
Volume Resistivity ohm.cm	ASTM D257	4 X 10 ¹⁴		
Dielectric Ste volts/mil	ASTM D149	47		
Fogging	SAE-J 1756 3 hrs@100 °C	Pass		

Norseal K10/K20/K30 – Standard Roll Size

Item	Color	T (mm)	W (mm)	L (mm)
K10-0.5mm	Black	0.5	680	100
K10-0.8mm		0.8	680	50
K10-1.0mm		1.0	680	50
K10-1.3mm		1.3	680	50
K10-1.5mm		1.5	680	50
K20-0.4mm		0.4	508	100
K20-0.5mm		0.5	508	100
K20-0.7mm		0.7	508	50
K20-0.8mm		0.8	508	50
K20-1.0mm		1.0	508	50
K20-1.3mm		1.3	508	50
K20-1.5mm		1.5	508	50
K20-2.0mm		2.0	508	40
K30-0.2mm		0.2	680	100
K30-0.3mm		0.3	680	100

Above are standard items, specific need has MOQ.

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.

Parameter values are not guaranteed and will differ from lot to lot. For specification writing, please contact local **Saint-Gobain** Technical Service Department.

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 Performance Plastics products for all intended uses and that the materials to be used comply with all applicable regulatory requirements. Saint-Gobain Performance Plastics assumes no responsibility for any product failures that occur due to misuse of the materials it provides arising out of the design, fabrication or application of the products into which the materials are incorporated.

WARRANTY: For a period of 6 months, Saint-Gobain Performance Plastics warrants this product(s) to be free from defects in manufacturing. The only obligation under any applicable product warranty will be to replace any portion proving defective, or at our option, to refund the purchase price thereof. SAINT-GOBAIN PERFORMANCE PLASTICS DISCLAIMS ALL IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE.

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