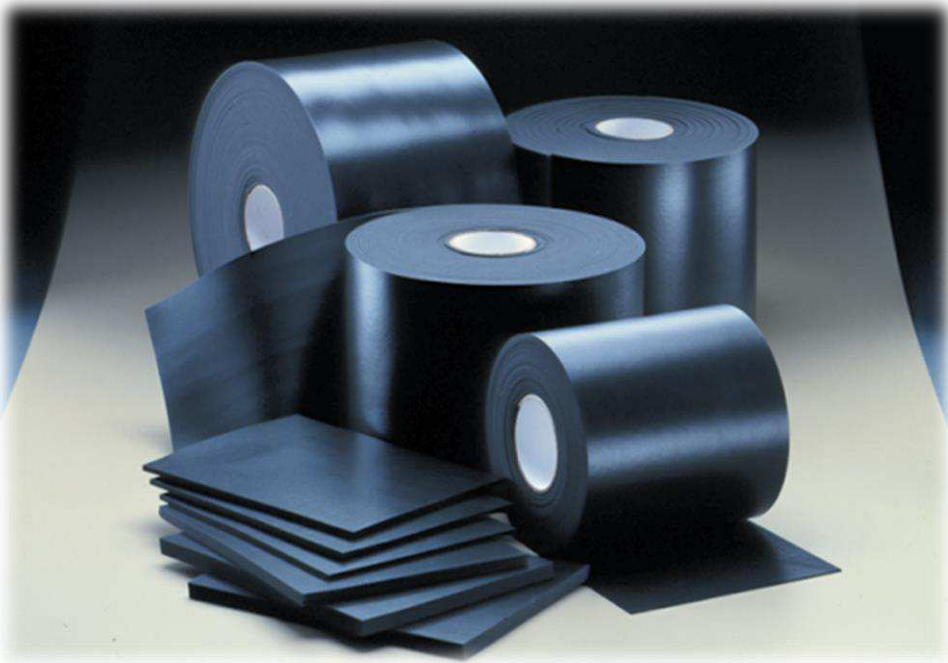


Norseal® K Series



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 and low deformation

Typical Applications

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

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 Performance Plastics has developed this series of materials that meets the demands of design engineers today. Most Norseal 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.

Norseal® K10/K20/K30 Typical Properties

Physical	Test Method	K10	K20	K30
Density lb./cu. ft. (kg/m ³)	ASTM D3574	11 (175)	24 (380)	43 (680)
CFD, psi (kPa) 12.7mm/min@25 % Deflection	ASTM D3574 Test C	1.4 (10)	2.6 (18)	26 (180)
FTC psi (kPa) @25% Deflection	ASTM D1667	1.6 (11)	3 (21)	45 (315)
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	

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

Norseal® is a registered trademark

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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	508	100

Above are standard items, specific need has MOQ.

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

Limited Warranty: For a period of 6 months from the date of first sale, Saint-Gobain Performance Plastics Corporation warrants this product(s) to be free from defects in manufacturing. Our only obligation will be to provide replacement product for any portion proving defective, or at our option, to refund the purchase price thereof. User assumes all other risks, if any, including the risk of injury, loss or damage, whether direct or consequential, arising out of the use, misuse, or inability to use this product(s). SAINT-GOBAIN PERFORMANCE PLASTICS DISCLAIMS ANY AND ALL OTHER WARRANTIES, EXPRESSED OR IMPLIED, INCLUDING THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE..

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