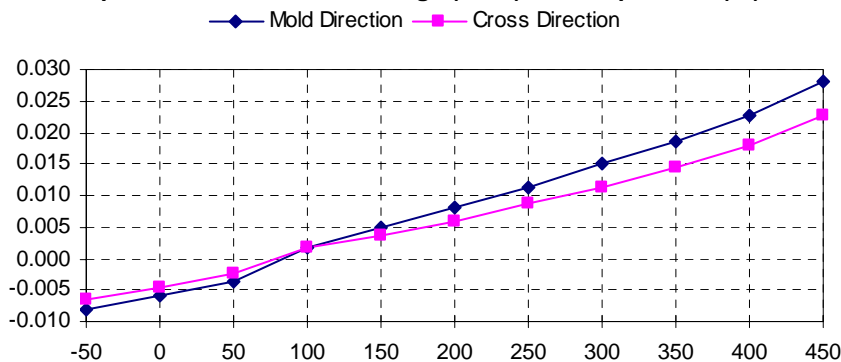


Rulon® J

The following table is a list of typical physical property values for Rulon® J

Properties	ASTM	Units [Metric]	Value [Metric]
GENERAL			
Specific Gravity	D792	—	1.95
Hardness Shore D	D2240	—	60
Water Absorption	D570	%	0
MECHANICAL			
Tensile Strength	D4894	psi [MPa]	2,000 [13.8]
Elongation	D4894	%	180
Flexural Strength 0.2% offset	D790	psi [MPa]	899 [6.2]
Flexural Modulus	D790	psi x 10 ³ [GPa]	1.8 [1.2]
Compressive Strength 0.2% offset	D695	psi [MPa]	1,000 [6.9]
Compressive Modulus	D695	psi x 10 ⁵ [GPa]	0.61 [0.42]
Deformation under load 1500 psi, 24 Hrs, RT	D621	%	3.0
500 psi, 24 Hrs., 300 °F [149 °C]	D621	%	2.0
ELECTRICAL			
Volume Resistivity	D257	Ohm-cm	8.2 x 10 ¹⁸
Surface Resistivity	D257	Ohm-Sq	6.3 x 10 ¹⁸
Dielectric Constant (10 ⁶ cycles)	D150	—	2.40
Dielectric Strength, .080" thick	D149	V/mil [MV/m]	200 [7.9]
Dissipation Factor (10 ⁶ cycles)	D150	—	.0015
THERMAL			
Thermal Conductivity	D2214	BTU in/hr ft ² °F [W/m.K]	1.7 [0.24]
Flammability	D635	In/min [m/s]	Non-flammable
RECOMMENDED OPERATING LIMITS			
Maximum Pressure (P)	—	psi [MPa]	750 [5.2]
Maximum Velocity (V) no pressure	—	ft/min [m/s]	400 [2]
Maximum PV (P x V)	—	psi x ft/min [MPa x m/s]	7,500 [0.26]
Minimum Mating Surface Hardness			
Rockwell Scale	—	—	Rb25
Brinnell Scale	—	—	64
Tribological			
Friction – static & dynamic	—	—	0.12 – 0.20

Thermal Expansion, Dimensional Change (in/in.) vs. Temperature (°F)



NOTE: The data listed here falls within the normal range of properties but should not be used to establish specification limits nor used alone as the basis of design. Saint-Gobain Performance Plastics assumes no obligation or liability for any advice furnished by it or for results obtained with respect to the products.

Features / Benefits

- Low in friction and wear and self-lubricating
- Operates well against soft mating surfaces.
- Ideal for start/stop applications where stick slip must be eliminated.

Working Temperature Range

- - 400 °F to + 550 °F
[- 240 °C to + 288 °C]

Color

- Dull Gold

Warranty Information: All information contained herein is believed to be correct but is presented without any guarantee, warranty or representation of any kind, express or implied. Technical data set forth herein is based on tests and measurements conducted in our laboratory under controlled conditions. Suggestions concerning possible applications of our products are made without representation or warranty that such use is free from patent infringement and are not recommendations to infringe any patent. The user should not assume that all safety measures are indicated, or that other such measures may not be required.

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