

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

Properties	ASTM	Units [Metric]	Value [Metric]
GENERAL			
Specific Gravity	D792	—	1.89
Hardness Shore D	D2240	—	58
MECHANICAL			
Tensile Strength	D4894	psi [MPa]	1,200 [8.3]
Elongation	D4894	%	160
Deformation under Load @ 1500 psi, 24 Hrs., RT	D621	%	3.0
THERMAL			
Thermal Conductivity	Cenco-Fitch	BTU in/hr ft ² °F [W/m.K]	1.8 [0.26]
Flammability	D635	In/min [m/s]	Non-flammable
RECOMMENDED OPERATING LIMITS			
Maximum Pressure (P)	—	psi [MPa]	1,000 [6.9]
Maximum Velocity (V) no pressure	—	ft/min [m/s]	400 [2]
Maximum PV (P x V)	—	psi x ft/min [MPa x m/s]	10,000 [0.35]
Minimum Mating Surface Hardness			
Rockwell Scale	—	—	Rb25
Brinnell Scale	—	—	64
Tribological			
Friction – static & dynamic	—	—	0.12 – 0.20

Coefficient of Thermal Expansion		x 10 ⁻⁵ m/m°C		x 10 ⁻⁵ in/in/°F	
ASTM D696		Cross Direction	Molded Direction	Cross Direction	Molded Direction
78 to 300 °F	26 to 149 °C	11.1	11.8	6.2	6.6

Cross Direction: Parallel to length of molded or extruded rod or tube.
Molded Direction: Perpendicular to length of molded or extruded rod or tube.

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

- Excellent insulating properties
- Superior abrasion resistance
- Excellent wear resistance in dry conditions

Working Temperature Range

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

Color

- Green

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.

Saint-Gobain Performance Plastics Corporation

Bristol, RI 02809 USA
Tel: (401) 253-2000
Fax: (401) 253-8211

Saint-Gobain Performance Plastics N.V.

B-2550 Kontich – Belgium
Phone : +32 3 458 28 28
Fax : +32 3 458 26 69

Saint-Gobain KK Performance Plastics

Tokyo 102-0083, Japan
Phone : +81 33 26 30 285
Fax : +81 33 26 30 286

www.plastics.saint-gobain.com

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