



THE GUND COMPANY

MANUFACTURERS & FABRICATORS OF ENGINEERED MATERIAL SOLUTIONS

RULON®

Item:	RULON®	
Description:	Saint Gobain Performance Plastics has the trade name for Rulon®, a family of reinforced proprietary PTFE compounds. The unique combination of high compressive strengths, low coefficient of friction, and excellent abrasion and corrosion resistance is what this family of plastics is known for.	
Applications:	<ul style="list-style-type: none"> • Bearings • Seals • Mechanical, Electrical, & Chemical 	
Key Characteristics:	<ul style="list-style-type: none"> • Low coefficient of friction • Excellent abrasion resistance • Chemical inertness 	
Availability:	Fabricated Parts:	The Gund Company custom fabricates insulation materials to the exact specifications and drawings specified by our customers.

Length, width, thickness, and diameter sizes are available in a wide variety, with the proper product specified for your particular application. Product colors will vary according to material type.

Typical Properties	Test Method	Rulon® J	Rulon® 641	Rulon® AR	Rulon®LR
Specific Gravity (lb/in ³)	ASTM D792	0.070	0.081	0.081	0.082
Tensile Strength (psi)	ASTM D1457	2,000	2,000	2,000	1,500
Tensile Elongation at Yield (psi)	ASTM D1457	180	175	175	150
Hardness, Shore D	ASTM D2240	60	60	60 - 75	60 - 75
Dielectric Strength, short time, 1/8" thick (V/mil)	ASTM D149	200	--	400 - 500	400 - 500
IZOD impact, notched (ft-lbs/in of notch)	ASTM D256	--	--	6.0	6.0
Flammability (in./min.)	ASTM D635	none	none	none	none
Water Absorption, immersion 24 hours (%)	ASTM D229	0	0	0	0
Coefficient of Linear Thermal Expansion (x 10 ⁻⁵ in./in./°F)	ASTM D696	varies	varies	varies	varies
Maximum Load (psi)		1,000	1,000	1,000	1,000
Maximum Velocity with No Pressure (ft/min)		400	400	400	400
Maximum PV Rating (psi x ft/min)		10,000	10,000	10,000	10,000
Maximum Operating Temp (°F / °C)		500 / 260	500 / 260	500 / 260	500 / 260
Minimum Operating Temp (°F / °C)		-450 / -240	-450 / -240	-450 / -240	-450 / -240
Minimum Mating Surface Hardness (Rockwell)		B25	B25	C35	C35

AS9100C Certified | ISO/AS9100 Certified QMS | RoHS Compliant | ITAR Compliant

Data supplied above are typical values and are not to be considered specification values. All of the information, suggestions and recommendations pertaining to the properties and uses of the products herein are based upon tests and data believed to be accurate; however, the final determination regarding suitability of any material described herein for the contemplated application, the manner of such use, and whether the use infringes any patents is the sole responsibility of the user. There is no warranty, expressed or implied, including, without limitation warranty of merchantability or fitness for a particular purpose. Under no circumstances shall we be liable for incidental or consequential loss or damage.