

METRIC

PHYSICAL PROPERTIES	TYPICAL VALUES	TEST METHODS
Density, g/cm ³	0.930 - 0.940	ASTM D 792
Hardness, Rockwell R Scale	67 - 70	ASTM D 2240
Tensile properties		ASTM D 638
Maximum strength, psi	4,800 - 5,600	2 in./min
MPa	33 - 39	
Yield strength, psi	2,800 - 3,200	
MPa	19 - 22	
Modulus, psi	100,000 - 150,000	
MPa	689-1083	
Elongation at break, %	300 - 400%	
Modulus of elasticity, psi	100,000 - 150,000	
MPa	689 - 1033	
Flexural modulus, psi	100,000 - 150,000	ASTM D 790
MPa	689 - 1033	
Izod impact strength at 23°C, ft-lbs/in ² (KJ/m ²)		
Notched	No break	ASTM D 256A
Mean co-efficient of linear thermal expansion per °C		ASTM D 696
-30° to 30°C	1.8 x 10 ⁻⁴	
Operating Temperature		
Maximum Continuous °F (°C)	180 (82)	
Minimum	-22 (-30)	
Co-efficient of friction against Cr-plated steel at 23°C		ASTM D 1894
Static	.20 - .25	
Dynamic	.12 - .16	
Abrasion Index (Relative to steel at 100)	10	Sand Slurry
Surface Resistivity, ohms	10 ⁵ to 10 ⁷	ASTM D 257
Volume Resistivity, ohms-cm	10 ⁵ to 10 ⁷	ASTM D 257

We cannot anticipate all conditions under which this information and our products, or the products of other manufacturers in combination with our products, may be used. We accept no responsibility for results obtained by the application of this information or the safety and suitability of our products, whether alone or in combination with other products. Users are advised to make their own tests to determine the safety and suitability of each such product or product combination for their own purposes. Unless otherwise agreed in writing, we sell the products without warranty, and buyers and users assume all responsibility and liability for loss or damage arising from the handling and use of our products, whether used alone or in combination with other products. For most recent technical information, phone in USA or in Canada.