REDWOOD
PLASTICS AND RUBBER

Redco™ X-STATIC

METRIC

PHYSICAL PROPERTIES	TYPICAL VALUES	TEST METHODS
Density, g/cm3	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/in² (KJ/m²)		
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