



# NATIONWIDE PLASTICS, INC.

The Authority on Plastics Manufacturing and Distribution

## SYMPLASTICS

### RAMEX® SR - STATIC REDUCED

PHYSICAL PROPERTIES	TYPICAL VALUES	TEST METHODS
Density, g/cm <sup>3</sup>	0.93 - 0.94	ASTM D 792
Hardness, Durometer Shore D	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	
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.		
Notched	No break	ASTM D 256A
Mean coefficient of linear thermal expansion per ° C		ASTM D 696
-30° to 30° C	1.8 x 10 <sup>-4</sup>	
Operating Temperature		
Maximum Continuous ° F (° C)	180 (82)	
Minimum	-22 (-30)	
Coefficient 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 <sup>5</sup> to 10 <sup>7</sup>	ASTM D 257
Volume Resistivity, ohms-cm	10 <sup>5</sup> to 10 <sup>7</sup>	ASTM D 257

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