

METRIC

Property	Method	Unit	Virgin	Repro	Cross Linked	Static Reduced
Density	ASTM D 792	lbs/in ³ (g/cm ³)	0.033 (0.93)	0.034 (0.94)	0.033 (0.93)	0.033-0.034 (0.93 - 0.94)
Tensile Break	ASTM D 638	PSI (MPa)	6000 (41)	4200 (30)	5200 (36)	4,800 - 5,600 (33-39)
Elongation at Break	ASTM D 638	%	400	300	350	300 - 400
Flexural Modulus	ASTM D 790B	PSI (MPa)	120,000 (830)	111000 (765)	120,000 (830)	100,000 - 150,000 (690-1035)
Abrasion	Internal	Steel = 100	16	14	7	10
IZOD Impact						
Notched	ASTM D 256A	ft.-lbs./in. (J/m)	No Break	No Break	No Break	No Break
Double- notched	Internal	ft.-lbs./in. (J/m)	26 (1400)	21 (1300)	23 (1240)	
Linear Coefficient of						
Thermal Expansion	ASTM D 696	°K-1	2 x 10-4	2 x 10-4	0.9 x 10-4	1.8 x 10-4
Coefficient of Friction						
Static	ASTM D 1894	Unitless	0.2	0.2	0.2	.20 - .25
Dynamic	ASTM D 1894	Unitless	0.15	0.15	0.15	.12 - .16

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