



NETWORK POLYMERS, INC.

PEI 1000

POLYETHERLIMIDE

PROPERTIES	ASTM TEST	UNITS ENGLISH METRIC	
PHYSICAL			
Melt Flow Rate - Procedure A 337°C/6.6 kg	D -1238	g/10 min	9.0
Density	D-1505	g/cm ³	1.27
Mold Shrink, Linear flow	D-955	inch/inch	0.3005 - 0.007
IMPACT			
Izod Impact, notched, Test Method A, 0.125" bar, @ 73°F	D-256	in-lb/inch J/m	0.8 43
TENSILE			
Tensile Strength, Type I bar chs 2.0 inch/minute	D-638	psi MPa	15,500 107
Elongation @ Break, Type I bar. chs 2.0 inch/minute	D-638	%	60
FLEXURAL			
Flexural Modulus chs 0.05 inch/minute	D-790	psi MPa	490,000 3,376
Flexural Strength @ Yield chs 0.05 inch/minute	D-790	psi MPa	22,000 152
THERMAL			
Heat Deflection Temperature @ 264 psi	D-648	°F °C	392 200

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