



NETWORK POLYMERS, INC.

NPP 11-0242

POLYETHYLENE

PROPERTIES	ASTM TEST	UNITS ENGLISH METRIC	
PHYSICAL			
Melt Flow Rate - Procedure A Condition E (190° C/2.16 kg)	D-1238	g/10 min	2.0
Density	D-1505	g/cm ³	0.94
Enironmental Stress Crack Resistance ESCR, 0.125 inch @ -40°C Condition A, F ₅₀ 100% Igepal 10% Iegepal	D-1693	hrs hrs	> 1,000 500
TENSILE			
Tensile Strength @ Yield	D-638	psi MPa	3,100 21.4
Elongation @ Yield	D-638	%	11.0
Low Temperature Impact 0.125 inch @ -40°C	ARM	ft-lb	6.0 8.1
FLEXURAL			
Flexural Modulus Test Method I, Procedure B	D-790	psi MPa	120,000 827
THERMAL			
Heat Deflection Temperature 0.125 inch bar @ 66 psi (0.45 MPa)	D-648	°F °C	144 62

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