



NETWORK POLYMERS, INC.

NPP 50-1052

**HIGH DENSITY
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	11.5
Density	D-1505	g/cm ³	0.952
TENSILE			
Tensile Strength @ Yield (Type IV bar @ chs 2.0 in/min)	D-638	psi MPa	3700 25.5
Elongation @ Break (chs 2.0 in/min)	D-638	%	700
FLEXURAL			
Flexural Modulus Test Method I, Procedure B (chs 0.05 in/min)	D-790	psi MPa	180,000 1240
THERMAL			
Vicat Softening Temperature	D-1525	°F °C	253 123
BRITTLINESS TEMPERATURE			
Brittleness Temperature	D-1525	°F °C	< - 95 < - 71

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