



NETWORK POLYMERS, INC.

**NPP 50-0350
HIGH DENSITY
POLYETHYLENE**

PROPERTIES	ASTM TEST	UNITS ENGLISH METRIC	
PHYSICAL			
ASTM Type, Class Category	D-1248		III A 3
Melt Flow Rate - Procedure A Condition E (190° C/2.16 kg)	D-1238	g/10 min	4.2
Density	D-1505	g/cm ³	0.952
TENSILE			
Tensile Strength @ Break	D-638	psi MPa	3,800 26.2
Elongation @ Break	D-638	%	1,200
Tensile Impact	D-1822	ft-lb/in ² kJ/m ²	34 71.5
FLEXURAL			
Flexural Modulus Test Method I, Procedure B	D-790	psi MPa	155,000 1,068
THERMAL			
Low Temperature Brittleness F50 @ °C	D-746	°F °C	<-105 <-76
Vicat Softening Point	D-1525	°F °C	259 126

FDA REGULATIONS

This material meets the Food and Drug Administration requirements of 21CFR, Section 1777.1520

EGG/9-1-97

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