



NETWORK POLYMERS, INC.

**NPP 50-0355**  
**HIGH DENSITY**  
**POLYETHYLENE**  
 Blow Molding /Extrusion Grade

PROPERTIES	ASTM TEST	UNITS ENGLISH METRIC	
<b>PHYSICAL</b>			
Melt Flow Rate - Procedure A Condition E (190° C/2.16 kg)	D-1238	g/10 min	.35
Density	D-1505	g/cm <sup>3</sup>	0.955
ESCR Condition A, F50	D1693	hours	45
Condition B, F50			35
<b>TENSILE</b>			
Tensile Strength @ Yield (chs 2.0 in/min)	D-638	psi MPa	4,000 28
Elongation @ Break (chs 2.0 in/min)	D-638	%	>600
<b>FLEXURAL</b>			
Flexural Modulus Test Method I, Procedure B (chs 0.05 in/min)	D-790	psi MPa	200,000 1,378
<b>THERMAL</b>			
Low Temperature Brittleness	D-746	°F °C	<-180 <-118

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