



NETWORK POLYMERS, INC.

**MS 150
STYRENE METHYL
METHACRYLATE
TERPOLYMER**

PROPERTIES	ASTM TEST	UNITS ENGLISH METRIC	
PHYSICAL			
Melt Flow, Procedure A Condition G (200°C/5.0 kg)	D1238	g/10 min	4.1
Specific Gravity	D-792		1.05
Mold Shrinkage	D-955	in/in mm/mm	0.002-0.006 0.002-0.006
Shore Hardness D	D-2240		75
Light Transmission		%	89
Moisture Absorption, 24h	D-570	%	0.1
IMPACT			
Izod Impact, notched Test Method A (.125" bar)	D-256	ft-lb/in J/m	0.5 26.7
TENSILE			
Tensile Strength @ (chs 2.0 in/min)	D-638	psi MPa	4,992 34.4
Elongation @ Break (chs 2.0 in/min)	D-638	%	31
FLEXURAL			
Flexural Modulus Test Method I, Procedure B (chs 0.05 in/min)	D-790	psi MPa	266,000 1,833
Elastic Modulus	D-638	psi MPa	320,000 2,200
THERMAL			
Heat Deflection Temperature @ 66 psi unannealed/conditioned 48 hours @ 23°C	D-648	°F °C	181 83
Vicat Softening	D-1525	°F °C	207 97

This is to certify that the above product meets the requirements of FDA Regulation 21 CFR 177.1640 and CFR 177.1830

EAP/04-10-01

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