



NETWORK POLYMERS, INC.

**MS 125  
STYRENE METHYL  
METHACRYLATE  
TERPOLYMER**

PROPERTIES	ASTM TEST	UNITS ENGLISH METRIC	
<b>PHYSICAL</b>			
Melt Flow Rate - Procedure A Condition G (200°C/5.0 kg) Condition I (230°C/3.8 kg)	D -1238	g/10 min g/10min	0.6 2.6
Specific Gravity	D-792		1.08
Moisture Absorption, 24 hours	D-570	%	-
Durometer Hardness, Shore D	D-2240		82
Mold Shrinkage	D-955		0.002 - 0.006 in/in 0.002 - 0.006 cm/cm
<b>IMPACT</b>			
Izod Impact, notched Test Method A (.125" bar)	D-256	ft-lb/in J/m	0.44 23.5
<b>TENSILE</b>			
Tensile Strength @ Break (chs 2.0 in/min)	D-638	psi MPa	8,350 57.5
Elongation @ Break (chs 2.0 in/min)	D-638	%	3.19
<b>FLEXURAL</b>			
Flexural Modulus Test Method I, Procedure B (chs 0.05 in/min)	D-790	psi MPa	408,000 2,811
<b>THERMAL</b>			
Heat Deflection Temperature	D-648	°F °C	194 90
Vicat Softening	D-1525	°F °C	217 103

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

SDB/00-9

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