



NETWORK POLYMERS, INC.

SAN-Styrene Acrylonitrile
Transparent Engineering Thermoplastic

SAN 250

Natural

PROPERTIES	ASTM METHOD	UNITS ENGLISH METRIC	
PHYSICAL			
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/10 min	0.9 -
Specific Gravity	D-792		1.07
Mold Shrinkage	D-955	in/in cm/cm	0.002-0.006 0.002-0.006
Rockwell Hardness	D-785	R scale	122
IMPACT			
Izod Impact, notched 0.252", 23° C (73° F)	D-256	ft-lb/in J/m	0.2 10.7
FLEXURAL			
Flexural Modulus	D-790	psi MPa	519,000 3,576
TENSILE			
Tensile Yield Strength	D-638	psi MPa	11,700 80.6
THERMAL			
Heat Deflection Temperature 0.252" bar @ 1.8 Mpa (264 psi) Unannealed/Conditioned 48 hours @ 23° C (73° F)	D-648	°F °C	196 91
Vicat Softening Point, 0.125", 1Kg	D-1525	°F °C	- -
FLAMMABILITY RATING			
Minimum Thickness 1.5mm / 0.0625in / 1/16"	UL 94		HB
U.L. File Number			
OPTICAL			
Haze	D-1003	%	
Light Transmission	D-1003	%	

ES/7-6-98

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