



NETWORK POLYMERS, INC.

SAN-Styrene Acrylonitrile
Transparent Engineering Thermoplastic

SAN 250
with Lube

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	1.3 5.1
Specific Gravity	D-792		1.08
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 0.125", 23° C (73° F)	D-256	ft-lb/in J/m	0.4 21.4
FLEXURAL			
Flexural Modulus	D-790	psi MPa	525,000 3,617
TENSILE			
Tensile Yield Strength	D-638	psi MPa	11,500 79.2
THERMAL			
Heat Deflection Temperature 0.125" bar @ 1.8 Mpa (264 psi) Unannealed/Conditioned 48 hours @ 23° C (73° F)	D-648	°F °C	187 86
Vicat Softening Point, 0.125", 1Kg	D-1525	°F °C	225 107
FLAMMABILITY RATING			
Minimum Thickness 1.5mm / 0.0625in / 1/16"	UL 94		
U.L. File Number			
OPTICAL			
Haze	D-1003	%	
Light Transmission	D-1003	%	

SDB/5-28-03

FDA STATUS: This is to certify that the above product meets the requirements of FDA Regulation CFR 181.32(a)(3)(ii).

The information contained herein is provided for general reference purposes only. Please note that the above information pertains only to natural resins and may change with the addition of colorants or other additives. Network Polymers Inc. makes no guarantee or warranty and does not assume liability with respect to the accuracy or completeness of the information presented, or the product results in any specific instance and hereby expressly disclaims any implied warranties of suitability or fitness for a particular purpose or any other warranties or representations whatsoever expressed or implied. Nothing herein shall be construed as a recommendation to use any product in conflict with patents covering any material or its use. No license is implied or in fact granted under the claims of patent.