



NETWORK POLYMERS, INC.

Injection Molding Grade

**NPS 90-0304  
SUPER HIGH  
IMPACT  
POLYSTYRENE**

PROPERTIES	ASTM TEST	UNITS ENGLISH METRIC	
<b>PHYSICAL</b>			
Melt Flow, min Condition G (200° C/5.0kg)	D -1238	g/10 min	2.4
Specific Gravity	D-792		1.04
<b>THERMAL</b>			
Vicat Softening Point	D -1525	°F °C	218 103
Heat Deflection Temperature (264 psi) (1820 KPa)	D-648	°F °C	180 82
<b>TENSILE</b>			
Tensile Strength @ Yield	D -638	psi MPa	4,125 28.4
Elongation @ Fail (%)	D-638		35
<b>FLEXURAL</b>			
Flexural Modulus	D -790	psi MPa	325,370 2242
Flexural Strength	D-790	psi MPa	7,109 49.0
<b>IMPACT</b>			
Izod Impact - Injection Molding	D -256	ft-lb/in J/m	4.0 213
<b>OPTICAL</b>			
Gloss @ 60° geometry	D -2457		85
<b>FLAMMABILITY</b>			
UL Flame Rating 1.5 mm (59 mils) 3.0 mm (118 mils)	UL 94		HB HB

SDB/00-11

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.