

## Network Polymers NPP 908

Category : Polymer , Thermoplastic , Polycarbonate (PC)

### Material Notes:

Description: Polyester Copolymer Information provided by Network Polymers Inc.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Network-Polymers-NPP-908.php](http://www.lookpolymers.com/polymer_Network-Polymers-NPP-908.php)

Physical Properties	Metric	English	Comments
Specific Gravity	1.23 g/cc	1.23 g/cc	ASTM D792
Water Absorption	0.15 %	0.15 %	24 hours at 73°F; ASTM D570
Water Absorption at Saturation	0.35 %	0.35 %	73°F; ASTM D570
Melt Flow	3.0 g/10 min	3.0 g/10 min	Procedure A Condition G; ASTM D1238
	@Load 5.00 kg, Temperature 200 °C	@Load 11.0 lb, Temperature 392 °F	
	12 g/10 min	12 g/10 min	Procedure A Condition I; ASTM D1238
	@Load 3.80 kg, Temperature 230 °C	@Load 8.38 lb, Temperature 446 °F	
	78 g/10 min	78 g/10 min	Procedure A Condition 0; ASTM D1238
	@Load 1.20 kg, Temperature 300 °C	@Load 2.65 lb, Temperature 572 °F	

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	103	103	ASTM D785
Tensile Strength, Yield	45.5 MPa	6600 psi	Type I bar at chs 2 in per min; ASTM D638
Elongation at Break	340 %	340 %	ASTM D638
Elongation at Yield	5.0 %	5.0 %	ASTM D638
Flexural Modulus	1.86 GPa	270 ksi	Tangent (chs speed 0.05 in/min); ASTM D790
Izod Impact, Notched	NB	NB	Test Method A (0.125 in bar); ASTM D256
Gardner Impact	>= 36.2 J	>= 26.7 ft-lb	ASTM D5420
	@Temperature -18.0 °C	@Temperature -0.400 °F	
	>= 36.2 J	>= 26.7 ft-lb	ASTM D-5420
	@Temperature -30.0 °C	@Temperature -22.0 °F	

Mechanical Properties	Metric <b>J</b>	English <b>ft-lb</b>	Comments
	@Temperature 23.0 °C	@Temperature 73.4 °F	ASTM D3420

Thermal Properties	Metric	English	Comments
CTE, linear	75.6 $\mu\text{m}/\text{m}\cdot\text{°C}$ @Temperature 20.0 °C	42.0 $\mu\text{in}/\text{in}\cdot\text{°F}$ @Temperature 68.0 °F	ASTM D696
Deflection Temperature at 1.8 MPa (264 psi)	65.0 °C	149 °F	0.125 in bar, Unannealed/Conditioned 48 hours; ASTM D648

Optical Properties	Metric	English	Comments
Haze	1.0 %	1.0 %	ASTM D1003
Transmission, Visible	91 %	91 %	ASTM D1003

## Contact Songhan Plastic Technology Co.,Ltd.

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