

## Network Polymers NPS 80-1800 Crystal Polystyrene

Category : Polymer , Thermoplastic , Polystyrene (PS) , Polystyrene, Transparent Grade

### Material Notes:

Description: Injection Molding Grade, High Melt Flow Information provided by Network Polymers Inc.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Network-Polymers-NPS-80-1800-Crystal-Polystyrene.php](http://www.lookpolymers.com/polymer_Network-Polymers-NPS-80-1800-Crystal-Polystyrene.php)

Physical Properties	Metric	English	Comments
Specific Gravity	1.05 g/cc	1.05 g/cc	ASTM D792
Melt Flow	18 g/10 min @Load 5.00 kg, Temperature 200 °C	18 g/10 min @Load 11.0 lb, Temperature 392 °F	Procedure A Condition G; ASTM D1238

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell L	71	71	ASTM D785
Tensile Strength at Break	47.6 MPa	6900 psi	chs 2 in/min; ASTM D638
Elongation at Break	1.0 %	1.0 %	ASTM D638
Tensile Modulus	2.96 GPa	430 ksi	chs 2 in/min; ASTM D638
Izod Impact, Notched	0.133 J/cm	0.250 ft-lb/in	Test Method A (0.125 in bar); ASTM D256

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	85.0 °C	185 °F	Annealed; ASTM D648
Vicat Softening Point	93.0 °C	199 °F	ASTM D1525

## Contact Songhan Plastic Technology Co.,Ltd.

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