

## Network Polymers NPS 90-0802 Polystyrene

Category : Polymer , Thermoplastic , Polystyrene (PS) , Polystyrene, Impact Modified

**Material Notes:**

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

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Network-Polymers-NPS-90-0802-Polystyrene.php](http://www.lookpolymers.com/polymer_Network-Polymers-NPS-90-0802-Polystyrene.php)

Physical Properties	Metric	English	Comments
Specific Gravity	1.04 g/cc	1.04 g/cc	ASTM D792
Melt Flow	8.0 g/10 min @Load 5.00 kg, Temperature 200 °C	8.0 g/10 min @Load 11.0 lb, Temperature 392 °F	Procedure A Condition G; ASTM D1238

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell L	47	47	ASTM D785
Tensile Strength at Break	26.9 MPa	3900 psi	chs 2 in/min; ASTM D638
Elongation at Break	45 %	45 %	ASTM D638
Tensile Modulus	1.59 GPa	230 ksi	chs 2 in/min; ASTM D638
Flexural Modulus	1.93 GPa	280 ksi	Test Method I, Procedure B (chs speed 0.05 in/min); ASTM D790
Izod Impact, Notched	1.01 J/cm	1.90 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)	81.1 °C	178 °F	Annealed; ASTM D648
Vicat Softening Point	85.0 °C	185 °F	ASTM D1525

## Contact Songhan Plastic Technology Co.,Ltd.

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