

Network Polymers NPS 80-0800 Crystal Polystyrene

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

Material Notes:

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

Order this product through the following link:

http://www.lookpolymers.com/polymer_Network-Polymers-NPS-80-0800-Crystal-Polystyrene.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.05 g/cc	1.05 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	74	74	ASTM D785
Tensile Strength at Break	43.4 MPa	6300 psi	chs 2 in/min; ASTM D638
Elongation at Break	1.0 %	1.0 %	ASTM D638
Tensile Modulus	2.88 GPa	417 ksi	chs 2 in/min; ASTM D638
Izod Impact, Notched	0.160 J/cm	0.300 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)	87.8 °C	190 °F	Annealed; ASTM D648
Vicat Softening Point	98.0 °C	208 °F	ASTM D1525

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