

Network Polymers NPS 80-1410 Polystyrene

Category : Polymer , Thermoplastic , Polystyrene (PS) , Polystyrene, Molded, Unreinforced

Material Notes:

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

Order this product through the following link:

http://www.lookpolymers.com/polymer_Network-Polymers-NPS-80-1410-Polystyrene.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.04 g/cc	1.04 g/cc	ASTM D792
Melt Flow	14 g/10 min @Load 5.00 kg, Temperature 200 °C	14 g/10 min @Load 11.0 lb, Temperature 392 °F	Procedure A Condition G; ASTM D1238

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell L	59	59	ASTM D785
Tensile Strength at Break	26.2 MPa	3800 psi	chs 2 in/min; ASTM D638
Elongation at Break	45 %	45 %	ASTM D638
Tensile Modulus	2.00 GPa	290 ksi	chs 2 in/min; ASTM D638
Izod Impact, Notched	0.694 J/cm	1.30 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)	82.2 °C	180 °F	Annealed; ASTM D648
Vicat Softening Point	88.0 °C	190 °F	ASTM D1525

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