

Network Polymers NPP 25-2003

Category : Polymer , Thermoplastic , Polypropylene (PP) , Polypropylene, Molded

Material Notes:

Description: Copolymer Polypropylene Information provided by Network Polymers Inc.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Network-Polymers-NPP-25-2003.php

Physical Properties	Metric	English	Comments
Density	0.905 g/cc	0.0327 lb/in ³	ASTM D792
Melt Flow	20 g/10 min @Load 2.16 kg, Temperature 230 °C	20 g/10 min @Load 4.76 lb, Temperature 446 °F	Procedure A Condition L; ASTM D1238

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	75	75	ASTM D785
Tensile Strength, Yield	22.8 MPa	3300 psi	2 in per min; ASTM D638
Elongation at Yield	19 %	19 %	chs 2 in/min; ASTM D638
Flexural Modulus	0.951 GPa	138 ksi	Test Method I, Procedure B (chs speed 0.05 in/min); ASTM D790
Izod Impact, Notched	1.87 J/cm	3.50 ft-lb/in	Test Method A (0.125 in bar); ASTM D256
Gardner Impact	22.6 J @Temperature -18.0 °C	16.7 ft-lb @Temperature -0.400 °F	

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	89.0 °C	192 °F	ASTM D648

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