

Network Polymers NPP 25-0212

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-25-0212.php

| Physical Properties | Metric | English | Comments |
|---------------------|--|--|-------------------------------------|
| Density | 0.905 g/cc | 0.0327 lb/in ³ | ASTM D792 |
| Melt Flow | 2.0 g/10 min @Load 2.16 kg, Temperature 230 °C | 2.0 g/10 min @Load 4.76 lb, Temperature 446 °F | Procedure A Condition L; ASTM D1238 |

| Mechanical Properties | Metric | English | Comments |
|-------------------------|------------------------------------|---|---|
| Hardness, Rockwell R | 70 | 70 | ASTM D785 |
| Tensile Strength, Yield | 22.8 MPa | 3300 psi | 2 in per min; ASTM D638 |
| Elongation at Yield | 25 % | 25 % | chs 2 in/min; ASTM D638 |
| Flexural Modulus | 0.862 GPa | 125 ksi | Test Method I, Procedure B (chs speed 0.05 in/min); ASTM D790 |
| Izod Impact, Notched | 7.47 J/cm | 14.0 ft-lb/in | Test Method A (0.125 in bar); ASTM D256 |
| Gardner Impact | >= 27.1 J @Temperature -18.0 °C | >= 20.0 ft-lb @Temperature -0.400 °F | Gardner |

| Thermal Properties | Metric | English | Comments |
|---|---------|---------|-----------|
| Deflection Temperature at 0.46 MPa (66 psi) | 85.0 °C | 185 °F | ASTM D648 |

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