

## Network Polymers NPP 30-1800

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

**Material Notes:**

Description: Homopolymer Polypropylene Information provided by Network Polymers Inc.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Network-Polymers-NPP-30-1800.php](http://www.lookpolymers.com/polymer_Network-Polymers-NPP-30-1800.php)

Physical Properties	Metric	English	Comments
Density	0.904 g/cc	0.0327 lb/in <sup>3</sup>	ASTM D792
Melt Flow	16.5 - 19.5 g/10 min @Load 2.16 kg, Temperature 230 °C	16.5 - 19.5 g/10 min @Load 4.76 lb, Temperature 446 °F	Procedure A Condition L; ASTM D1238

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	100	100	ASTM D785
Tensile Strength, Yield	32.4 MPa	4700 psi	2 in per min; ASTM D638
Elongation at Yield	11 %	11 %	chs 2 in/min; ASTM D638
Flexural Modulus	1.38 GPa	200 ksi	Test Method I, Procedure B (chs speed 0.05 in/min); ASTM D790
Izod Impact, Notched	0.214 J/cm	0.400 ft-lb/in	Test Method A (0.125 in bar); ASTM D256

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