

Global PP-1142-R Polypropylene Homopolymer

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

Material Notes:

Description-transparency, high stiffness, high heat resistant Applications-disposable drinkware, thin-walled parts, medical applications Information provided by Global Polymers Corporation.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Global-PP-1142-R-Polypropylene-Homopolymer.php

Physical Properties	Metric	English	Comments
Melt Flow	20 g/10 min @Load 2.16 kg, Temperature 230 °C	20 g/10 min @Load 4.76 lb, Temperature 446 °F	L; ASTM D1238

Mechanical Properties	Metric	English	Comments
Ball Indentation Hardness	102 MPa	14800 psi	DIN 53456
Tensile Strength, Yield	35.0 MPa	5080 psi	ASTM D638
Shear Modulus	0.840 GPa	122 ksi	DIN 53457
Charpy Impact, Notched	0.200 J/cm ² @Temperature -23.0 °C	0.952 ft-lb/in ² @Temperature -9.40 °F	DIN 53453

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	123 °C	253 °F	Unannealed; ASTM D648

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