

Lucent Polymers CPP-0107 Polypropylene Homopolymer

Category : Polymer , Renewable/Recycled Polymer , Thermoplastic , Polypropylene (PP)

Material Notes:

Recycled ContentAdd "U" for UV StabilizedAdd "H" for Heat StabilizedInformation provided by Lucent Polymers, Inc.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Lucent-Polymers-CPP-0107-Polypropylene-Homopolymer.php

Physical Properties	Metric	English	Comments
Specific Gravity	0.970 g/cc	0.970 g/cc	ASTM D792
Linear Mold Shrinkage, Flow	0.016 cm/cm @Thickness 3.17 mm	0.016 in/in @Thickness 0.125 in	1/8" Section
Melt Flow	10 g/10 min @Load 2.16 kg, Temperature 230 Â°C	10 g/10 min @Load 4.76 lb, Temperature 446 Â°F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	34.48 MPa	5001 psi	ASTM D638
Elongation at Break	>= 10 %	>= 10 %	ASTM D638
Flexural Strength	37.93 MPa	5501 psi	ASTM D790
Flexural Modulus	1.241 GPa	180.0 ksi	ASTM D790
Izod Impact, Notched	0.267 J/cm @Thickness 3.17 mm	0.500 ft-lb/in @Thickness 0.125 in	ASTM D256

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	51.67 Â°C	125.0 Â°F	ASTM D648

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