

Lucent Polymers PPC-320 Polypropylene, Impact Modified

Category : Polymer , Thermoplastic , Polypropylene (PP) , Polypropylene, Impact Modified; Molded/Extruded

Material Notes:

Add "U" for UV Stabilized Add "H" for Heat Stabilized Information provided by Lucent Polymers, Inc.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Lucent-Polymers-PPC-320-Polypropylene-Impact-Modified.php

| Physical Properties | Metric | English | Comments |
|-----------------------------|--|--|--------------|
| Specific Gravity | 0.910 g/cc | 0.910 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 | 20 g/10 min @Load 2.16 kg, Temperature 230 Å°C | 20 g/10 min @Load 4.76 lb, Temperature 446 Å°F | ASTM D1238 |

| Mechanical Properties | Metric | English | Comments |
|-------------------------|---------------------------------|--------------------------------------|-----------|
| Tensile Strength, Yield | 29.66 MPa | 4302 psi | ASTM D638 |
| Elongation at Break | >= 10 % | >= 10 % | ASTM D638 |
| Flexural Strength | 34.48 MPa | 5001 psi | ASTM D790 |
| Flexural Modulus | 0.68966 GPa | 100.03 ksi | ASTM D790 |
| Izod Impact, Notched | 1.50 J/cm @Thickness 3.17 mm | 2.80 ft-lb/in @Thickness 0.125 in | ASTM D256 |

| Thermal Properties | Metric | English | Comments |
|---|-----------|-----------|-----------|
| Deflection Temperature at 1.8 MPa (264 psi) | 48.89 Å°C | 120.0 Å°F | ASTM D648 |

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