

Lucent Polymers PC-1418FD Polycarbonate, FDA Compliant, Injection Grade

Category : Polymer , Thermoplastic , Polycarbonate (PC)

Material Notes:

High FlowAdd "R" for Added ReleaseAdd "U" for UVÂ StabilizedInformation provided by Lucent Polymers, Inc.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Lucent-Polymers-PC-1418FD-Polycarbonate-FDA-Compliant-Injection-Grade.php

| Physical Properties | Metric | English | Comments |
|-----------------------------|------------------------------------|-------------------------------------|--------------|
| Specific Gravity | 1.21 g/cc | 1.21 g/cc | ASTM D792 |
| Linear Mold Shrinkage, Flow | 0.0060 cm/cm @Thickness 3.17 mm | 0.0060 in/in @Thickness 0.125 in | 1/8" Section |
| Melt Flow | 18 g/10 min | 18 g/10 min | ASTM D1238 |

| Mechanical Properties | Metric | English | Comments |
|-------------------------|--|---|-----------|
| Tensile Strength, Yield | 62.07 MPa | 9003 psi | ASTM D638 |
| Elongation at Break | >= 132 % | >= 132 % | ASTM D638 |
| Flexural Strength | 98.62 MPa | 14300 psi | ASTM D790 |
| Flexural Modulus | 2.276 GPa | 330.1 ksi | ASTM D790 |
| Izod Impact, Notched | 6.41 J/cm @Thickness 3.17 mm, Temperature 22.8 Â°C | 12.0 ft-lb/in @Thickness 0.125 in, Temperature 73.0 Â°F | ASTM D256 |

| Thermal Properties | Metric | English | Comments |
|--|------------|------------|-----------|
| Deflection Temperature at 1.8 MPa (264 psi) | 132.22 Â°C | 270.00 Â°F | ASTM D648 |

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