

Lucent Polymers PC-1406FD Polycarbonate, FDA Compliant, Extrusion/Blow Molding Grade

Category : Polymer , Thermoplastic , Polycarbonate (PC)

Material Notes:Medium FlowAdd "R" for Added ReleaseAdd "U" for UV \hat{A} StabilizedInformation provided by Lucent Polymers, Inc.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Lucent-Polymers-PC-1406FD-Polycarbonate-FDA-Compliant-ExtrusionBlow-Molding-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	6.0 g/10 min	6.0 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	7.48 J/cm @Thickness 3.17 mm, Temperature 22.8 \hat{A} °C	14.0 ft-lb/in @Thickness 0.125 in, Temperature 73.0 \hat{A} °F	ASTM D256

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	132.22 \hat{A} °C	270.00 \hat{A} °F	ASTM D648

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