

Lucent Polymers PC-FR0 Polycarbonate, Flame Resistant

Category : Polymer , Thermoplastic , Polycarbonate (PC) , Polycarbonate, Unreinforced, Flame Retardant

Material Notes:

UV Stable/Weatherable, f1 Rated Melt Flow Adjustable for Application UL File Number: E213588 Information provided by Lucent Polymers, Inc.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Lucent-Polymers-PC-FR0-Polycarbonate-Flame-Resistant.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

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	62.07 MPa	9003 psi	ASTM D638
Elongation at Break	>= 130 %	>= 130 %	ASTM D638
Flexural Strength	90.34 MPa	13100 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
UL RTI, Mechanical without Impact	105 Â°C	221 Â°F	
Flammability, UL94	V-0	V-0	
	5VA	5VA	

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