

Cossa Polimeri ESTACARB 0820 GF Polycarbonate, 10% Glass Filled

Category : Polymer , Thermoplastic , Polycarbonate (PC) , Polycarbonate, 10% Glass Filled

Material Notes:

Polycarbonate with 10% glass fiber reinforcementHigh stiffness, good impact resistanceInformation provided by Cossa Polimeri S.r.l.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Cossa-Polimeri-ESTACARB-0820-GF-Polycarbonate-10-Glass-Filled.php

Physical Properties	Metric	English	Comments
Density	1.26 g/cc	0.0455 lb/in³	ASTM D 792
Linear Mold Shrinkage	0.0050 - 0.0070 cm/cm	0.0050 - 0.0070 in/in	ASTM D 955
Melt Flow	8.0 g/10 min @Load 1.20 kg, Temperature 300 °C	8.0 g/10 min @Load 2.65 lb, Temperature 572 °F	ASTM D 1238

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	60.0 MPa	8700 psi	ASTM D 638
Elongation at Break	4.0 %	4.0 %	ASTM D 638
Flexural Modulus	3.60 GPa	522 ksi	ASTM D 790
Izod Impact, Notched	1.00 J/cm @Temperature 0.000 °C	1.87 ft-lb/in @Temperature 32.0 °F	ASTM D 638
	1.20 J/cm @Temperature 23.0 °C	2.25 ft-lb/in @Temperature 73.4 °F	ASTM D 256

Thermal Properties	Metric	English	Comments
Hot Ball Pressure Test	135 °C	275 °F	I.E.C. 335-1
Vicat Softening Point	144 °C @Load 5.00 kg	291 °F @Load 11.0 lb	50°C/hr; ASTM D 1525
	150 °C @Load 0.999 kg	302 °F @Load 2.20 lb	50°C/hr; ASTM D 1525
Flammability, UL94	V-2 @Thickness 1.60 mm	V-2 @Thickness 0.0630 in	
	V-2 @Thickness 3.20 mm	V-2 @Thickness 0.126 in	

Thermal Properties	Metric	English	Comments
Glow Wire Test			I.E.C. 606-2-1
	@Thickness 2.00 mm	@Thickness 0.0787 in	

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