

Cossa Polimeri ESTACARB 0820 GF V0-5V HF Flame Retardant Polycarbonate

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

Material Notes:

Polycarbonate with 10% glass fiber reinforcement Flame retardant class V0, antimony, chlorine and bromine free, high stiffness, high dimensional stability, good melt flow rate, good processability, good light resistance Information provided by Cossa Polimeri S.r.l.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Cossa-Polimeri-ESTACARB-0820-GF-V0-5V-HF-Flame-Retardant-Polycarbonate.php

Physical Properties	Metric	English	Comments
Density	1.28 g/cc	0.0462 lb/in ³	ASTM D 792
Linear Mold Shrinkage	0.0030 - 0.0050 cm/cm	0.0030 - 0.0050 in/in	ASTM D 955
Melt Flow	10 g/10 min @Load 1.20 kg, Temperature 300 °C	10 g/10 min @Load 2.65 lb, Temperature 572 °F	ASTM D 1238

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	65.0 MPa	9430 psi	ASTM D 638
Elongation at Break	4.0 %	4.0 %	ASTM D 638
Flexural Modulus	3.50 GPa	508 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
	1.10 J/cm @Temperature 23.0 °C	2.06 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	147 °C @Load 5.00 kg	297 °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-0 @Thickness 1.60 mm	V-0 @Thickness 0.0630 in	
	V-0	V-0	

Thermal Properties	@Thickness 3.20 mm Metric	@Thickness 0.126 in English	Comments
Glow Wire Test	960 °C	1760 °F	I.E.C. 695-2-1

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