

Cossa Polimeri ESTACARB 1060 V0 HF Flame Retardant Polycarbonate

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

Material Notes:

Flame retardant class V0, opaque, antimony, chlorine and bromine free, high impact resistance, high thermal resistance, 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-1060-V0-HF-Flame-Retardant-Polycarbonate.php

Physical Properties	Metric	English	Comments
Density	1.20 g/cc	0.0434 lb/in ³	ASTM D 792
Linear Mold Shrinkage	0.0050 - 0.0070 cm/cm	0.0050 - 0.0070 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	60.0 MPa	8700 psi	ASTM D 638
Tensile Strength, Yield	65.0 MPa	9430 psi	ASTM D 638
Elongation at Break	>= 50 %	>= 50 %	ASTM D 638
Flexural Modulus	2.50 GPa	363 ksi	ASTM D 790
Izod Impact, Notched	5.50 J/cm @Temperature 0.000 °C	10.3 ft-lb/in @Temperature 32.0 °F	ASTM D 638
	6.00 J/cm @Temperature 23.0 °C	11.2 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	145 °C @Load 5.00 kg	293 °F @Load 11.0 lb	50°C/hr; ASTM D 1525
	148 °C @Load 0.999 kg	298 °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	

Thermal Properties	^{V-0} Metric	^{V-0} English	Comments
	@Thickness 3.20 mm	@Thickness 0.126 in	
Glow Wire Test	960 °C	1760 °F	I.E.C. 695-2-1

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