

Cossa Polimeri ESTABLEND 4500 V0 HF Flame Retardant PC - ABS

Category : Polymer , Thermoplastic , ABS Polymer , Polycarbonate/ABS Alloy, Unreinforced , Polycarbonate (PC)

Material Notes:

PC - ABS Blend Flame retardant class V0, chlorine and bromine free, good light resistance, excellent mechanical properties, excellent processability. Information provided by Cossa Polimeri S.r.l.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Cossa-Polimeri-ESTABLEND-4500-V0-HF-Flame-Retardant-PC-ABS.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	30 g/10 min @Load 5.00 kg, Temperature 240 °C	30 g/10 min @Load 11.0 lb, Temperature 464 °F	ASTM D 1238

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	48.0 MPa	6960 psi	ASTM D 638
Tensile Strength, Yield	50.0 MPa	7250 psi	ASTM D 638
Elongation at Break	40 %	40 %	ASTM D 638
Flexural Modulus	2.60 GPa	377 ksi	ASTM D 790
Izod Impact, Notched	5.00 J/cm @Temperature 0.000 °C	9.37 ft-lb/in @Temperature 32.0 °F	ASTM D 638
	5.50 J/cm @Temperature 23.0 °C	10.3 ft-lb/in @Temperature 73.4 °F	ASTM D 256

Thermal Properties	Metric	English	Comments
Vicat Softening Point	94.0 °C @Load 5.00 kg	201 °F @Load 11.0 lb	50°C/hr; ASTM D 1525
	105 °C @Load 0.999 kg	221 °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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