

Cossa Polimeri ESTASTIR HI 0408 V0 Flame Retardant Polystyrene

Category : Polymer , Thermoplastic , Polystyrene (PS) , Polystyrene, Flame Retardant

Material Notes:

Flame retardant class V0, PBDE free, good impact resistance, good thermal resistance, high light resistance, good processability
Information provided by Cossa Polimeri S.r.l.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Cossa-Polimeri-ESTASTIR-HI-0408-V0-Flame-Retardant-Polystyrene.php

Physical Properties	Metric	English	Comments
Density	1.17 g/cc	0.0423 lb/in ³	ASTM D 792
Linear Mold Shrinkage	0.0040 - 0.0070 cm/cm	0.0040 - 0.0070 in/in	ASTM D 955
Melt Flow	4.0 g/10 min @Load 5.00 kg, Temperature 200 °C	4.0 g/10 min @Load 11.0 lb, Temperature 392 °F	ASTM D 1238

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	22.0 MPa	3190 psi	ASTM D 638
Tensile Strength, Yield	28.0 MPa	4060 psi	ASTM D 638
Elongation at Break	40 %	40 %	ASTM D 638
Flexural Modulus	2.20 GPa	319 ksi	ASTM D 790
Izod Impact, Notched	0.600 J/cm @Temperature 0.000 °C	1.12 ft-lb/in @Temperature 32.0 °F	ASTM D 638
	0.800 J/cm @Temperature 23.0 °C	1.50 ft-lb/in @Temperature 73.4 °F	ASTM D 256

Thermal Properties	Metric	English	Comments
Vicat Softening Point	91.0 °C @Load 5.00 kg	196 °F @Load 11.0 lb	50°C/hr; ASTM D 1525
	99.0 °C @Load 0.999 kg	210 °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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