

Cossa Polimeri ESTAPROP 1000 V2 K Flame Retardant Polypropylene

Category : Polymer , Thermoplastic , Polypropylene (PP) , Polypropylene Copolymer , Polypropylene, Flame Retardant

Material Notes:

PP copolymer Flame retardant class V2, PBDE free, good processability, good impact strength Information provided by Cossa Polimeri S.r.l.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Cossa-Polimeri-ESTAPROP-1000-V2-K-Flame-Retardant-Polypropylene.php

Physical Properties	Metric	English	Comments
Density	0.930 g/cc	0.0336 lb/in³	ASTM D 792
Linear Mold Shrinkage	0.015 - 0.018 cm/cm	0.015 - 0.018 in/in	ASTM D 955
Melt Flow	12 g/10 min @Load 2.16 kg, Temperature 230 °C	12 g/10 min @Load 4.76 lb, Temperature 446 °F	ASTM D 1238

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	28.0 MPa	4060 psi	ASTM D 638
Elongation at Break	50 %	50 %	ASTM D 638
Flexural Modulus	1.30 GPa	189 ksi	ASTM D 790
Izod Impact, Notched	0.450 J/cm @Temperature -20.0 °C	0.843 ft-lb/in @Temperature -4.00 °F	ASTM D 638
	0.550 J/cm @Temperature 0.000 °C	1.03 ft-lb/in @Temperature 32.0 °F	ASTM D 638
	0.600 J/cm @Temperature 23.0 °C	1.12 ft-lb/in @Temperature 73.4 °F	ASTM D 256

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	55.0 °C	131 °F	120°C/hr; ASTM D 648
Vicat Softening Point	149 °C @Load 0.999 kg	300 °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	@Thickness 2.00 mm	@Thickness 0.0787 in	I.E.C. 695-2-1

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