

Cossa Polimeri ESTAPROP 1050 V0 HF K Flame Retardant Polypropylene

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

Material Notes:

PP copolymer Flame retardant class V0, halogen free, excellent mechanical characteristics, excellent processability Information provided by Cossa Polimeri S.r.l.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Cossa-Polimeri-ESTAPROP-1050-V0-HF-K-Flame-Retardant-Polypropylene.php

Physical Properties	Metric	English	Comments
Density	1.05 g/cc	0.0379 lb/in ³	ASTM D 792
Linear Mold Shrinkage	0.012 - 0.015 cm/cm	0.012 - 0.015 in/in	ASTM D 955
Melt Flow	10 g/10 min @Load 2.16 kg, Temperature 230 °C	10 g/10 min @Load 4.76 lb, Temperature 446 °F	ASTM D 1238

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	18.0 MPa	2610 psi	ASTM D 638
Elongation at Break	30 %	30 %	ASTM D 638
Flexural Modulus	1.70 GPa	247 ksi	ASTM D 790
Izod Impact, Notched	0.300 J/cm @Temperature 0.000 °C	0.562 ft-lb/in @Temperature 32.0 °F	ASTM D 638
	0.450 J/cm @Temperature 23.0 °C	0.843 ft-lb/in @Temperature 73.4 °F	ASTM D 256

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	50.0 °C	122 °F	120°C/hr; ASTM D 648
Vicat Softening Point	145 °C @Load 0.999 kg	293 °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 @Thickness 3.20 mm	V-0 @Thickness 0.126 in	
	960 °C	1760 °F	

Glow Wire Test Thermal Properties	Metric @ Thickness 2.00 mm	English @ Thickness 0.0787 in	I.E.C. 695-2-1 Comments
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