

Cossa Polimeri ESTAPROP 1006 V2 K Flame Retardant Polypropylene

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

Material Notes:

PP copolymer Flame retardant class V2, PBDE and antimony trioxide free, no blooming, low smoke emission, good physical and mechanical characteristics Information provided by Cossa Polimeri S.r.l.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Cossa-Polimeri-ESTAPROP-1006-V2-K-Flame-Retardant-Polypropylene.php

Physical Properties	Metric	English	Comments
Density	0.930 g/cc	0.0336 lb/in ³	ASTM D 792
Linear Mold Shrinkage	0.015 - 0.018 cm/cm	0.015 - 0.018 in/in	ASTM D 955
Melt Flow	20 g/10 min @Load 2.16 kg, Temperature 230 °C	20 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	100 %	100 %	ASTM D 638
Flexural Modulus	1.40 GPa	203 ksi	ASTM D 790
Izod Impact, Notched	0.400 J/cm @Temperature -20.0 °C	0.749 ft-lb/in @Temperature -4.00 °F	ASTM D 638
	0.500 J/cm @Temperature 0.000 °C	0.937 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	150 °C @Load 0.999 kg	302 °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	V-2	

Thermal Properties	Metric @ Thickness 3.20 mm	English @ Thickness 0.126 in	Comments
Glow Wire Test	960 °C @Thickness 2.00 mm	1760 °F @Thickness 0.0787 in	I.E.C. 695-2-1

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