

Cossa Polimeri ESTAPROP H 1080 TG Polypropylene, 40% Mineral Filled

Category : Polymer , Thermoplastic , Polypropylene (PP) , Polypropylene, Mineral Reinforced

Material Notes:

PP homopolymer 40% mineral fillerExcellent stiffness, good dimensional stabilityInformation provided by Cossa Polimeri S.r.l.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Cossa-Polimeri-ESTAPROP-H-1080-TG-Polypropylene-40-Mineral-Filled.php

Physical Properties	Metric	English	Comments
Density	1.25 g/cc	0.0452 lb/in ³	ASTM D 792
Linear Mold Shrinkage	0.010 - 0.012 cm/cm	0.010 - 0.012 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	25.0 MPa	3630 psi	ASTM D 638
Tensile Strength, Yield	30.0 MPa	4350 psi	ASTM D 638
Elongation at Break	10 %	10 %	ASTM D 638
Tensile Modulus	4.10 GPa	595 ksi	ASTM D 638
Flexural Modulus	3.80 GPa	551 ksi	ASTM D 790
Izod Impact, Notched	0.150 J/cm @Temperature -20.0 °C	0.281 ft-lb/in @Temperature -4.00 °F	ASTM D 638
	0.200 J/cm @Temperature 0.000 °C	0.375 ft-lb/in @Temperature 32.0 °F	ASTM D 638
	0.300 J/cm @Temperature 23.0 °C	0.562 ft-lb/in @Temperature 73.4 °F	ASTM D 256

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	72.0 °C	162 °F	120°C/hr; ASTM D 648
Vicat Softening Point	97.0 °C @Load 5.00 kg	207 °F @Load 11.0 lb	50°C/hr; ASTM D 1525
Flammability, UL94	HB	HB	

Thermal Properties	@Thickness 1.60 mm Metric	@Thickness 0.0630 in English	Comments
	HB	HB	
	@Thickness 3.20 mm	@Thickness 0.126 in	

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