

Cossa Polimeri ESTADIENE 0417 GIF Acrylonitrile Butadiene Styrene, 17% Glass Filled

Category : Polymer , Thermoplastic , ABS Polymer , Acrylonitrile Butadiene Styrene (ABS), 20% Glass Fiber Filled

Material Notes:

ABS with 17% glass fiber reinforcement Good thermal 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-ESTADIENE-0417-GIF-Acrylonitrile-Butadiene-Styrene-17-Glass-Filled.php

Physical Properties	Metric	English	Comments
Density	1.15 g/cc	0.0415 lb/in ³	ASTM D 792
Linear Mold Shrinkage	0.0020 - 0.0040 cm/cm	0.0020 - 0.0040 in/in	ASTM D 955
Melt Flow	9.0 g/10 min @Load 10.0 kg, Temperature 220 °C	9.0 g/10 min @Load 22.0 lb, Temperature 428 °F	ASTM D 1238

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	60.0 MPa	8700 psi	ASTM D 638
Elongation at Break	3.0 %	3.0 %	ASTM D 638
Flexural Modulus	5.00 GPa	725 ksi	ASTM D 790
Izod Impact, Notched	0.500 J/cm @Temperature 0.000 °C	0.937 ft-lb/in @Temperature 32.0 °F	ASTM D 638
	0.700 J/cm @Temperature 23.0 °C	1.31 ft-lb/in @Temperature 73.4 °F	ASTM D 256

Thermal Properties	Metric	English	Comments
Vicat Softening Point	105 °C @Load 5.00 kg	221 °F @Load 11.0 lb	50°C/hr; ASTM D 1525
	113 °C @Load 0.999 kg	235 °F @Load 2.20 lb	50°C/hr; ASTM D 1525
Flammability, UL94	HB @Thickness 1.60 mm	HB @Thickness 0.0630 in	
	HB @Thickness 3.20 mm	HB @Thickness 0.126 in	

Thermal Properties	650 °C Metric	1200 °F English	Comments
	@Thickness 2.00 mm	@Thickness 0.0787 in	PC-1000-2-1

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