

Cossa Polimeri ESTABLEND 8500 Polycarbonate ABS Blend

Category : Polymer , Thermoplastic , ABS Polymer , Polycarbonate/ABS Alloy, Unreinforced , Polycarbonate (PC)

Material Notes:

Polycarbonate and Acrylonitrile Butadiene Styrene blend High thermal resistance, high impact resistance Information provided by Cossa Polimeri S.r.l.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Cossa-Polimeri-ESTABLEND-8500-Polycarbonate-ABS-Blend.php

Physical Properties	Metric	English	Comments
Density	1.15 g/cc	0.0415 lb/in³	ASTM D 792
Linear Mold Shrinkage	0.0050 - 0.0070 cm/cm	0.0050 - 0.0070 in/in	ASTM D 955
Melt Flow	13 g/10 min @Load 5.00 kg, Temperature 260 °C	13 g/10 min @Load 11.0 lb, Temperature 500 °F	ASTM D 1238

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	50.0 MPa	7250 psi	ASTM D 638
Tensile Strength, Yield	62.0 MPa	8990 psi	ASTM D 638
Elongation at Break	50 %	50 %	ASTM D 638
Flexural Modulus	2.40 GPa	348 ksi	ASTM D 790
Izod Impact, Notched	4.50 J/cm @Temperature 0.000 °C	8.43 ft-lb/in @Temperature 32.0 °F	ASTM D 638
	5.00 J/cm @Temperature 23.0 °C	9.37 ft-lb/in @Temperature 73.4 °F	ASTM D 256

Thermal Properties	Metric	English	Comments
Vicat Softening Point	132 °C @Load 5.00 kg	270 °F @Load 11.0 lb	50°C/hr; ASTM D 1525
	142 °C @Load 0.999 kg	288 °F @Load 2.20 lb	50°C/hr; ASTM D 1525
Flammability, UL94	HB @Thickness 1.60 mm	HB @Thickness 0.0630 in	
	HB	HB	

Thermal Properties	@Thickness 3.20 mm Metric	@Thickness 0.126 in English	Comments
Glow Wire Test	750 °C	1380 °F	I.E.C. 695-2-1

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