

Cossa Polimeri ESTABLEND 6500 F Polycarbonate ABS Blend

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

Material Notes:

Polycarbonate and Acrylonitrile Butadiene Styrene blend High melt flow rate, good thermal resistance, good impact resistance, excellent processability, good surface appearance Information provided by Cossa Polimeri S.r.l.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Cossa-Polimeri-ESTABLEND-6500-F-Polycarbonate-ABS-Blend.php

Physical Properties	Metric	English	Comments
Density	1.13 g/cc	0.0408 lb/in ³	ASTM D 792
Linear Mold Shrinkage	0.0050 - 0.0070 cm/cm	0.0050 - 0.0070 in/in	ASTM D 955
Melt Flow	30 g/10 min @Load 5.00 kg, Temperature 260 °C	30 g/10 min @Load 11.0 lb, Temperature 500 °F	ASTM D 1238

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	47.0 MPa	6820 psi	ASTM D 638
Tensile Strength, Yield	59.0 MPa	8560 psi	ASTM D 638
Elongation at Break	45 %	45 %	ASTM D 638
Flexural Modulus	2.30 GPa	334 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	125 °C @Load 5.00 kg	257 °F @Load 11.0 lb	50°C/hr; ASTM D 1525
	135 °C @Load 0.999 kg	275 °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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