

Cossa Polimeri ESTADIENE CR 1 Acrylonitrile Butadiene Styrene

Category : Polymer , Thermoplastic , ABS Polymer , Acrylonitrile Butadiene Styrene (ABS), Plating Grade

Material Notes:

ABS for chrome plating Good melt flow rate, high impact resistance at low temperature, high gloss, excellent processability Information provided by Cossa Polimeri S.r.l.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Cossa-Polimeri-ESTADIENE-CR-1-Acrylonitrile-Butadiene-Styrene.php

Physical Properties	Metric	English	Comments
Density	1.05 g/cc	0.0379 lb/in ³	ASTM D 792
Linear Mold Shrinkage	0.0040 - 0.0070 cm/cm	0.0040 - 0.0070 in/in	ASTM D 955
Melt Flow	20 g/10 min @Load 10.0 kg, Temperature 220 °C	20 g/10 min @Load 22.0 lb, Temperature 428 °F	ASTM D 1238

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	29.0 MPa	4210 psi	ASTM D 638
Tensile Strength, Yield	36.0 MPa	5220 psi	ASTM D 638
Elongation at Break	25 %	25 %	ASTM D 638
Flexural Modulus	2.10 GPa	305 ksi	ASTM D 790
Izod Impact, Notched	3.50 J/cm @Temperature 0.000 °C	6.56 ft-lb/in @Temperature 32.0 °F	ASTM D 638
	4.00 J/cm @Temperature 23.0 °C	7.49 ft-lb/in @Temperature 73.4 °F	ASTM D 256

Thermal Properties	Metric	English	Comments
Vicat Softening Point	96.0 °C @Load 5.00 kg	205 °F @Load 11.0 lb	50°C/hr; ASTM D 1525
	104 °C @Load 0.999 kg	219 °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	650 °C	1200 °F	I.E.C. 695-2-1
	@Thickness 2.00 mm	@Thickness 0.0787 in	

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