

Cossa Polimeri ESTADIENE 1050 AS Acrylonitrile Butadiene Styrene

Category : Polymer , Thermoplastic , ABS Polymer , Acrylonitrile Butadiene Styrene (ABS), Molded

Material Notes:

General purpose ABS Good impact resistance, high melt flow rate, high gloss, with antistatic, 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-1050-AS-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	50 g/10 min @Load 10.0 kg, Temperature 220 °C	50 g/10 min @Load 22.0 lb, Temperature 428 °F	ASTM D 1238

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	40.0 MPa	5800 psi	ASTM D 638
Tensile Strength, Yield	45.0 MPa	6530 psi	ASTM D 638
Elongation at Break	12 %	12 %	ASTM D 638
Flexural Modulus	2.70 GPa	392 ksi	ASTM D 790
Izod Impact, Notched	0.800 J/cm @Temperature 0.000 °C	1.50 ft-lb/in @Temperature 32.0 °F	ASTM D 638
	1.10 J/cm @Temperature 23.0 °C	2.06 ft-lb/in @Temperature 73.4 °F	ASTM D 256

Thermal Properties	Metric	English	Comments
Vicat Softening Point	94.0 °C @Load 5.00 kg	201 °F @Load 11.0 lb	50°C/hr; ASTM D 1525
	103 °C @Load 0.999 kg	217 °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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