

Cossa Polimeri ESTADIENE 4009 Acrylonitrile Butadiene Styrene

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

Material Notes:

ABS with high impact resistanceHigh impact resistance at low temperature, high gloss, good processabilityInformation provided by Cossa Polimeri S.r.l.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Cossa-Polimeri-ESTADIENE-4009-Acrylonitrile-Butadiene-Styrene.php

Physical Properties	Metric	English	Comments
Density	1.05 g/cc	0.0379 lb/in³	ASTM D 792
Linear Mold Shrinkage	0.0040 - 0.0070 cm/cm	0.0040 - 0.0070 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	24.0 MPa	3480 psi	ASTM D 638
Tensile Strength, Yield	31.0 MPa	4500 psi	ASTM D 638
Elongation at Break	4.2 %	4.2 %	ASTM D 638
Flexural Modulus	1.80 GPa	261 ksi	ASTM D 790
Izod Impact, Notched	3.00 J/cm @Temperature -20.0 °C	5.62 ft-lb/in @Temperature -4.00 °F	ASTM D 638
	3.80 J/cm @Temperature 0.000 °C	7.12 ft-lb/in @Temperature 32.0 °F	ASTM D 638
	4.30 J/cm @Temperature 23.0 °C	8.06 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
	106 °C @Load 0.999 kg	223 °F @Load 2.20 lb	50°C/hr; ASTM D 1525
Flammability, UL94	HB	HB	

Thermal Properties	@Thickness 1.60 mm Metric	@Thickness 0.0630 in English	Comments
	HB	HB	
	@Thickness 3.20 mm	@Thickness 0.126 in	
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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