

Cossa Polimeri ESTADIENE 1020 HHT Acrylonitrile Butadiene Styrene

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

Material Notes:

ABS with very high heat resistance Good melt flow rate, good impact resistance, stiff, excellent surface appearance, good processability Information provided by Cossa Polimeri S.r.l.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Cossa-Polimeri-ESTADIENE-1020-HHT-Acrylonitrile-Butadiene-Styrene.php

Physical Properties	Metric	English	Comments
Density	1.06 g/cc	0.0383 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	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	45.0 MPa	6530 psi	ASTM D 638
Tensile Strength, Yield	55.0 MPa	7980 psi	ASTM D 638
Elongation at Break	20 %	20 %	ASTM D 638
Flexural Modulus	2.70 GPa	392 ksi	ASTM D 790
Izod Impact, Notched	1.50 J/cm @Temperature 0.000 °C	2.81 ft-lb/in @Temperature 32.0 °F	ASTM D 638
	2.00 J/cm @Temperature 23.0 °C	3.75 ft-lb/in @Temperature 73.4 °F	ASTM D 256

Thermal Properties	Metric	English	Comments
Vicat Softening Point	112 °C @Load 5.00 kg	234 °F @Load 11.0 lb	50°C/hr; ASTM D 1525
	120 °C @Load 0.999 kg	248 °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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