

Cossa Polimeri ESTALUX 9202 A Methyl Methacrylate Acrylonitrile Butadiene Styrene

Category : Polymer , Thermoplastic , ABS Polymer , Acrylic (PMMA)

Material Notes:

Plastic blend that combines impact properties of ABS with the excellent transparency of PMMA Information provided by Cossa Polimeri S.r.l.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Cossa-Polimeri-ESTALUX-9202-A-Methyl-Methacrylate-Acrylonitrile-Butadiene-Styrene.php

Physical Properties	Metric	English	Comments
Density	1.07 g/cc	0.0387 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	2.0 g/10 min	2.0 g/10 min	ASTM D 1238
	@Load 10.0 kg, Temperature 220 °C	@Load 22.0 lb, Temperature 428 °F	
	18 g/10 min	18 g/10 min	ASTM D 1238
	@Load 21.6 kg, Temperature 220 °C	@Load 47.6 lb, Temperature 428 °F	

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	35.0 MPa	5080 psi	ASTM D 638
Tensile Strength, Yield	45.0 MPa	6530 psi	ASTM D 638
Elongation at Break	4.0 %	4.0 %	ASTM D 638
Tensile Modulus	2.05 GPa	297 ksi	ASTM D 638
Flexural Modulus	1.90 GPa	276 ksi	ASTM D 790
Izod Impact, Notched	0.800 J/cm	1.50 ft-lb/in	ASTM D 256
	@Temperature 23.0 °C	@Temperature 73.4 °F	

Thermal Properties	Metric	English	Comments
Vicat Softening Point	95.0 °C	203 °F	120°C/hr; ASTM D 1525
	@Load 5.10 kg	@Load 11.2 lb	
	108 °C	226 °F	120°C/hr; ASTM D 1525
	@Load 1.02 kg	@Load 2.25 lb	
	HB	HB	

Flammability UL 94 Thermal Properties	Metric @Thickness 1.60 mm	English @Thickness 0.0630 in	Comments
	HB	HB	
	@Thickness 3.20 mm	@Thickness 0.126 in	

Processing Properties	Metric	English	Comments
Processing Temperature	220 - 240 °C	428 - 464 °F	
Mold Temperature	40.0 - 60.0 °C	104 - 140 °F	
Dry Time	2.00 - 4.00 hour @Temperature 80.0 °C	2.00 - 4.00 hour @Temperature 176 °F	

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