

Cossa Polimeri ESTALUX 9202 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 Biomedical grade in line with US pharmacopeia class VI USP and European pharmacopeia cap. 3.2.2 Information provided by Cossa Polimeri S.r.l.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Cossa-Polimeri-ESTALUX-9202-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	English	Comments
	HB @Thickness 1.60 mm	HB @Thickness 0.0630 in	
	HB @Thickness 3.20 mm	HB @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	

Contact Songhan Plastic Technology Co.,Ltd.

Website : www.lookpolymers.com

Email : sales@lookpolymers.com

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

Address : United North Road 215,Fengxian District, Shanghai City,China