

## Cossa Polimeri ESTALUX 9206 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-9206-Methyl-Methacrylate-Acrylonitrile-Butadiene-Styrene.php](http://www.lookpolymers.com/polymer_Cossa-Polimeri-ESTALUX-9206-Methyl-Methacrylate-Acrylonitrile-Butadiene-Styrene.php)

Physical Properties	Metric	English	Comments
Density	1.07 g/cc	0.0387 lb/in <sup>3</sup>	ASTM D 792
Linear Mold Shrinkage	0.0040 - 0.0070 cm/cm	0.0040 - 0.0070 in/in	ASTM D 955
Melt Flow	6.0 g/10 min	6.0 g/10 min	ASTM D 1238
	@Load 10.0 kg, Temperature 220 °C	@Load 22.0 lb, Temperature 428 °F	
	38 g/10 min	38 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	30.0 MPa	4350 psi	ASTM D 638
Tensile Strength, Yield	43.0 MPa	6240 psi	ASTM D 638
Elongation at Break	4.0 %	4.0 %	ASTM D 638
Tensile Modulus	1.95 GPa	283 ksi	ASTM D 638
Flexural Modulus	1.80 GPa	261 ksi	ASTM D 790
Izod Impact, Notched	0.600 J/cm	1.12 ft-lb/in	ASTM D 256
	@Temperature 23.0 °C	@Temperature 73.4 °F	

Thermal Properties	Metric	English	Comments
Vicat Softening Point	90.0 °C	194 °F	120°C/hr; ASTM D 1525
	@Load 5.10 kg	@Load 11.2 lb	
	102 °C	216 °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	

## Contact Songhan Plastic Technology Co.,Ltd.

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