

## ExxonMobil OPTEMA™ TC 120 Molding Ethylene Methyl Acrylate

Category : Polymer , Thermoplastic , Ethylene Methyl Acrylate , Ethylene-Methyl Acrylate Copolymer, Molding Grade

### Material Notes:

**Product Description:** Optema TC 120 is an ethylene methyl acrylate copolymer, which can be used as an impact modifier or compatibilizer in polymer compounds. TC 120 has been processed on typical LDPE compounding equipment at temperatures up to 625°F. **Availability:** Latin America, North America and South America **Additive:** Thermal Stabilizer: Yes **Applications:** Compatibilizer Engineering thermoplastic Impact modifier Hot Melt Adhesives Injection Molding Masterbatch Base Resin Soft, molded parts Sound Deadening Foam **Information provided by** ExxonMobil Chemical

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_ExxonMobil-OPTEMA-TC-120-Molding-Ethylene-Methyl-Acrylate.php](http://www.lookpolymers.com/polymer_ExxonMobil-OPTEMA-TC-120-Molding-Ethylene-Methyl-Acrylate.php)

Physical Properties	Metric	English	Comments
Density	0.943 g/cc	0.0341 lb/in <sup>3</sup>	ExxonMobil Method
Methyl Acrylate Content	21.5 %	21.5 %	
Melt Flow	6.00 g/10 min @Load 2.16 kg, Temperature 190 °C	6.00 g/10 min @Load 4.76 lb, Temperature 374 °F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	75	75	15s; ASTM D2240
Hardness, Shore D	28	28	15s; ASTM D2240
Tensile Strength at Break	5.86 MPa	850 psi	ASTM D638
Elongation at Break	>= 800 %	>= 800 %	ASTM D638
Flexural Modulus	0.0331 GPa	4.80 ksi	1% secant; ASTM D790
Impact Test	17.6 J @Temperature 23.0 °C	13.0 ft-lb @Temperature 73.4 °F	Instrument Impact, Total Energy; ASTM D3763
	28.5 J @Temperature -40.0 °C	21.0 ft-lb @Temperature -40.0 °F	Instrumented Impact, Total Energy; ASTM D3763

Thermal Properties	Metric	English	Comments
Melting Point	77.2 °C	171 °F	Peak Melting Temperature; ExxonMobil Method
Vicat Softening Point	47.8 °C	118 °F	ASTM D1525

## **Contact Songhan Plastic Technology Co.,Ltd.**

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