

ExxonMobil OPTEMA™ TC 220 Molding Ethylene Methyl Acrylate

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

Material Notes:

OPTEMA TC 220 is an ethylene methyl acrylate copolymer, which can be used in specialty bonding applications and as a toughener for engineering polymers. It can be processed at temperatures as low as 200°F and up to 600°F. Availability: Latin America, North America and South America Additive: Thermal Stabilizer: Yes Applications: Compatibilizer Engineering Polymer Toughener Low Temperature Sealant Compounds Masterbatch Base Resin Information provided by ExxonMobil Chemical

Order this product through the following link:

http://www.lookpolymers.com/polymer_ExxonMobil-OPTEMA-TC-220-Molding-Ethylene-Methyl-Acrylate.php

Physical Properties	Metric	English	Comments
Density	0.945 g/cc	0.0341 lb/in ³	ExxonMobil Method
Methyl Acrylate Content	24 %	24 %	
Melt Flow	5.00 g/10 min @Load 2.16 kg, Temperature 190 °C	5.00 g/10 min @Load 4.76 lb, Temperature 374 °F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	76	76	15s; ASTM D2240
Hardness, Shore D	24	24	15s; ASTM D2240
Tensile Strength at Break	5.86 MPa	850 psi	ASTM D638
Elongation at Break	>= 800 %	>= 800 %	ASTM D638
Flexural Modulus	0.0248 GPa	3.60 ksi	1% secant; ASTM D790
Impact Test	14.9 J @Temperature 23.0 °C	11.0 ft-lb @Temperature 73.4 °F	Instrument Impact, Total Energy; ASTM D3763
	20.3 J @Temperature -40.0 °C	15.0 ft-lb @Temperature -40.0 °F	Instrumented Impact, Total Energy; ASTM D3763

Thermal Properties	Metric	English	Comments
Melting Point	72.2 °C	162 °F	Peak Melting Temperature; ExxonMobil Method
Vicat Softening Point	45.0 °C	113 °F	ASTM D1525

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