

ExxonMobil OPTEMA™ TC 130 Molding, extrusion and compounding resin (discontinued **)

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

Material Notes:

OPTEMA TC 130 is an ethylene methyl acrylate copolymer, which can be used in specialty applications such as a carrier for color and additive master batches, a compatibilizer in polymer compounds and hot melt adhesives. It can be processed at temperatures as low as 200°F and up to 600°F. Information provided by ExxonMobil Chemical

Order this product through the following link:

http://www.lookpolymers.com/polymer_ExxonMobil-OPTEMA-TC-130-Molding-extrusion-and-compounding-resin-nbspdiscontinued-.php

Physical Properties	Metric	English	Comments
Density	0.942 g/cc	0.0340 lb/in ³	ExxonMobil Method
Methyl Acrylate Content	21.5 %	21.5 %	
Melt Flow	20 g/10 min	20 g/10 min	ASTM D1238

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	80	80	15s; ASTM D2240
Hardness, Shore D	25	25	15s; ASTM D2240
Tensile Strength at Break	4.76 MPa	690 psi	ASTM D638
Tensile Strength, Yield	3.38 MPa	490 psi	ASTM D638
Elongation at Break	>= 800 %	>= 800 %	ASTM D638
Elongation at Yield	225 %	225 %	ASTM D638
Flexural Modulus	0.0314 GPa	4.55 ksi	1% secant; ASTM D790
Impact Test	12.2 J @Temperature 23.0 °C	9.00 ft-lb @Temperature 73.4 °F	Instrument Impact, Total Energy; ASTM D3763
	21.7 J @Temperature -40.0 °C	16.0 ft-lb @Temperature -40.0 °F	Instrumented Impact, Total Energy; ASTM D3763

Thermal Properties	Metric	English	Comments
Melting Point	76.7 °C	170 °F	Peak Melting Temperature; ExxonMobil Method
Vicat Softening Point	44.4 °C	112 °F	ASTM D1525

Descriptive Properties	Value	Comments
Features	Thermal Stabilizer	

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