

ExxonMobil OPTEMA™ TC 140 Molding, extrusion, compounding and adhesive resin (discontinued **)

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

Material Notes:

OPTEMA TC 140 is a high flow, 21.5% 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-140-Molding-extrusion-compounding-and-adhesive-resin-nbspdiscontinued-.php

Physical Properties	Metric	English	Comments
Density	0.940 g/cc	0.0340 lb/in ³	ExxonMobil Method
Methyl Acrylate Content	21.5 %	21.5 %	
Melt Flow	135 g/10 min	135 g/10 min	ASTM D1238

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	77	77	15s; ASTM D2240
Hardness, Shore D	21	21	15s; ASTM D2240
Tensile Strength at Break	2.83 MPa	410 psi	ASTM D638
Elongation at Break	575 %	575 %	ASTM D638
Flexural Modulus	0.0217 GPa	3.15 ksi	1% secant; ASTM D790
Impact Test	9.49 J	7.00 ft-lb	Instrument Impact, Total Energy; ASTM D3763
	@Temperature 23.0 °C	@Temperature 73.4 °F	
	16.3 J	12.0 ft-lb	Instrumented Impact, Total Energy; ASTM D3763
	@Temperature -40.0 °C	@Temperature -40.0 °F	

Thermal Properties	Metric	English	Comments
Melting Point	74.4 °C	166 °F	Peak Melting Temperature; ExxonMobil Method
Vicat Softening Point	37.2 °C	99.0 °F	ASTM D1525

Descriptive Properties	Value	Comments
Features	Thermal Stabilizer	

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