

ExxonMobil OPTEMA™ TC 115 Molding, extrusion and compounding resin (discontinued **)

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

Material Notes:

OPTEMA TC 115 is an ethylene methyl acrylate copolymer, which can be used as a compatibilizer and impact modifier for engineering thermoplastics. It has been processed at temperatures up to 625°F without thermal degradation. Information provided by ExxonMobil Chemical

Order this product through the following link:

http://www.lookpolymers.com/polymer_ExxonMobil-OPTEMA-TC-115-Molding-extrusion-and-compounding-resin-nbspdiscontinued-.php

Physical Properties	Metric	English	Comments
Density	0.937 g/cc	0.0339 lb/in ³	ExxonMobil Method
Methyl Acrylate Content	16.5 %	16.5 %	
Melt Flow	0.70 g/10 min	0.70 g/10 min	ASTM D1238

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	84	84	15s; ASTM D2240
Hardness, Shore D	34	34	15s; ASTM D2240
Tensile Strength at Break	12.1 MPa	1750 psi	ASTM D638
Elongation at Break	>= 800 %	>= 800 %	ASTM D638
Flexural Modulus	0.0572 GPa	8.30 ksi	1% secant; ASTM D790
Impact Test	20.3 J	15.0 ft-lb	Instrument Impact, Total Energy; ASTM D3763
	@Temperature 23.0 °C	@Temperature 73.4 °F	
	31.2 J	23.0 ft-lb	Instrumented Impact, Total Energy; ASTM D3763
	@Temperature -40.0 °C	@Temperature -40.0 °F	

Thermal Properties	Metric	English	Comments
Melting Point	87.2 °C	189 °F	Peak Melting Temperature; ExxonMobil Method
Vicat Softening Point	43.3 °C	110 °F	ASTM D1525

Descriptive Properties	Value	Comments
Features	Thermal Stabilizer	

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