

ExxonMobil OPTEMA™ TC 115 Blown Film Resin (discontinued **)

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

Material Notes:

OPTEMA TC 115 is an ethylene methyl acrylate copolymer, designed for specialty blown film applications. It yields soft, elastic films. Information provided by ExxonMobil Chemical

Order this product through the following link:

http://www.lookpolymers.com/polymer_ExxonMobil-OPTEMA-TC-115-Blown-Film-Resin-nbspdiscontinued-.php

Physical Properties	Metric	English	Comments
Density	0.938 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
Film Elongation at Break, MD	370 %	370 %	ASTM D882
Film Elongation at Break, TD	600 %	600 %	ASTM D882
Elmendorf Tear Strength, MD	0.787 g/micron	20.0 g/mil	ASTM D1922
Elmendorf Tear Strength, TD	3.94 g/micron	100 g/mil	ASTM D1922
Dart Drop	10.2 g/micron	260 g/mil	ASTM D1709
Film Tensile Strength at Break, MD	24.2 MPa	3510 psi	ASTM D882
Film Tensile Strength at Break, TD	25.2 MPa	3660 psi	ASTM D882
1% Secant Modulus, MD	64.3 MPa	9320 psi	ASTM D882
1% Secant Modulus, TD	60.4 MPa	8760 psi	ASTM D882

Thermal Properties	Metric	English	Comments
Melting Point	88.9 °C	192 °F	Peak Melting Temperature; ExxonMobil Method
Vicat Softening Point	63.9 °C	147 °F	ASTM D1525

Descriptive Properties	Value	Comments
Features	Thermal Stabilizer	

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