

ExxonMobil Optema® TC-020 Ethylene Methyl Acrylate for Extrusion Coating (discontinued **)

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

Material Notes:

Data provided by the manufacturer, Exxon Chemical. 6.5% Methyl Acrylate. An Ethylene Methyl Acrylate copolymer designed for extrusion coating, laminating and seaming applications. It can be processed to 625°F and has excellent adhesive properties to substrates such as polypropylene, HDPE, PVdC, and paper. Applications: Seaming; Heavy duty shipping sacks; Dunnage bags; Tarpaulins; Agricultural and construction films; Pond liners; Medical packages. Data for film properties below based on 1.25 mil film.

Order this product through the following link:

http://www.lookpolymers.com/polymer_ExxonMobil-Optema-TC-020-Ethylene-Methyl-Acrylate-for-Extrusion-Coating-nbspdiscontinued.php

Physical Properties	Metric	English	Comments
Density	0.928 g/cc	0.0335 lb/in ³	Exxon Method
Thickness	31.8 microns	1.25 mil	
Melt Flow	6.0 g/10 min	6.0 g/10 min	Exxon Method

Mechanical Properties	Metric	English	Comments
Film Elongation at Break, MD	290 %	290 %	ASTM D882
Film Elongation at Break, TD	620 %	620 %	ASTM D882
Secant Modulus, MD	0.120 GPa	17.4 ksi	ASTM D882
Secant Modulus, TD	0.140 GPa	20.3 ksi	ASTM D882
Coefficient of Friction	0.90	0.90	ASTM D1894
Elmendorf Tear Strength MD	100 g	100 g	ASTM D1922
Elmendorf Tear Strength TD	70 g	70 g	ASTM D1922
Elmendorf Tear Strength, MD	3.15 g/micron	80.0 g/mil	ASTM D1922
Elmendorf Tear Strength, TD	2.20 g/micron	56.0 g/mil	ASTM D1922
Dart Drop	3.15 g/micron	80.0 g/mil	F50; ASTM D1709
Dart Drop Test	100 g	0.221 lb	F50; ASTM D-1709
Film Tensile Strength at Break, MD	19.0 MPa	2760 psi	ASTM D882
Film Tensile Strength at Break, TD	19.0 MPa	2760 psi	ASTM D882

Thermal Properties	Metric	English	Comments
Melting Point	102 °C	216 °F	Exxon Method

Optical Properties	Metric	English	Comments
Haze	11 %	11 %	ASTM D1003
Gloss	44 %	44 %	45°, ASTM D-2457

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