

## ExxonMobil Optema® TC-110 Cast Ethylene Methyl Acrylate

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

### Material Notes:

**Product Description:** Optema TC 110 is an ethylene methyl acrylate copolymer specifically formulated to offer extrusion and property performance for blown and cast film applications. It can produce film under 1.0 mil thickness. **Availability:** Latin America, North America and South America **Additive:** Antiblock: NoSlip: No Thermal Stabilizer: Yes **Applications:** Disposable GlovesHospital DrapesUpholstery **FilmData** provided by the manufacturer, Exxon Chemical.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_ExxonMobil-Optema-TC-110-Cast-Ethylene-Methyl-Acrylate.php](http://www.lookpolymers.com/polymer_ExxonMobil-Optema-TC-110-Cast-Ethylene-Methyl-Acrylate.php)

Physical Properties	Metric	English	Comments
Density	0.942 g/cc	0.0340 lb/in <sup>3</sup>	Exxon Method
Methyl Acrylate Content	21.5 %	21.5 %	Exxon Method
Melt Flow	2.00 g/10 min @Load 2.16 kg, Temperature 190 °C	2.00 g/10 min @Load 4.76 lb, Temperature 374 °F	Exxon Method

Mechanical Properties	Metric	English	Comments
Film Elongation at Break, MD	360 %	360 %	ASTM D882
Film Elongation at Break, TD	810 %	810 %	ASTM D882
Elmendorf Tear Strength MD	20 g	20 g	ASTM D1922
Elmendorf Tear Strength TD	360 g	360 g	ASTM D1922
Dart Drop Test	220 g	0.485 lb	ASTM D1709A
Film Tensile Strength at Break, MD	23.4 MPa	3400 psi	ASTM D882
Film Tensile Strength at Break, TD	17.2 MPa	2500 psi	ASTM D882
1% Secant Modulus, MD	51.0 MPa	7400 psi	ASTM D882
1% Secant Modulus, TD	44.1 MPa	6400 psi	ASTM D882

Thermal Properties	Metric	English	Comments
Melting Point	80.0 °C	176 °F	Exxon Method
Vicat Softening Point	52.8 °C	127 °F	Peak Melting Temperature; ASTM D1525

Optical Properties	Metric	English	Comments
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Optical Properties	Metric	English	Comments <sup>13</sup>
Gloss	34 %	34 %	45°; ASTM D2457

## Contact Songhan Plastic Technology Co.,Ltd.

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