

## ExxonMobil Optema® TC-114 Blown Ethylene Methyl Acrylate

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

### Material Notes:

**Product Description:** Optema TC 114 is an ethylene methyl acrylate copolymer specifically formulated to offer extrusion and property performance for blown film applications. It produces a soft, elastic film with good handling characteristics without additional additives.

**Optema TC 114 can produce film under 1.0 mil thickness. Availability:** Latin America, North America and South America **Additive:** Anitblock: 14000 ppm **Slip:** 3000 ppm **Thermal Stabilizer:** Yes **Applications:** Disposable Gloves Hospital Drapes Upholstery Film **Data provided by the manufacturer, Exxon Chemical.**

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_ExxonMobil-Optema-TC-114-Blown-Ethylene-Methyl-Acrylate.php](http://www.lookpolymers.com/polymer_ExxonMobil-Optema-TC-114-Blown-Ethylene-Methyl-Acrylate.php)

Physical Properties	Metric	English	Comments
Density	0.948 g/cc	0.0342 lb/in <sup>3</sup>	Exxon Method
Methyl Acrylate Content	18 %	18 %	Exxon Method
Thickness	31.8 microns	1.25 mil	
Melt Flow	3.20 g/10 min @Load 2.16 kg, Temperature 190 °C	3.20 g/10 min @Load 4.76 lb, Temperature 374 °F	ASTM D1238
Antiblock Level	14000 ppm	14000 ppm	
Slip Level	3000 ppm	3000 ppm	

Mechanical Properties	Metric	English	Comments
Film Elongation at Break, MD	380 %	380 %	ASTM D882
Film Elongation at Break, TD	670 %	670 %	ASTM D882
Elmendorf Tear Strength MD	50 g	50 g	ASTM D1922
Elmendorf Tear Strength TD	310 g	310 g	ASTM D1922
Dart Drop Test	370 g	0.816 lb	ASTM D1709A
Film Tensile Strength at Break, MD	20.0 MPa	2900 psi	ASTM D882
Film Tensile Strength at Break, TD	20.0 MPa	2900 psi	ASTM D882
1% Secant Modulus, MD	49.6 MPa	7200 psi	ASTM D882
1% Secant Modulus, TD	51.7 MPa	7500 psi	ASTM D882

Thermal Properties	Metric	English	Comments
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Thermal Properties	Metric	English	Comments
Vicat Softening Point	57.2 °C	135 °F	ASTM D882

## Contact Songhan Plastic Technology Co.,Ltd.

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