

## ExxonMobil Metallyte™ 20MM480 OPP Film

Category : Polymer , Thermoplastic , Polypropylene (PP) , Polypropylene, Film Grade

### Material Notes:

**Product Description:** A metalized biaxially oriented polypropylene film, metalized on one side, heat sealable on the other side. It is typically used in lamination with other substrates on HFFS and VFFS applications. **Availability:** Africa & Middle East, Asia Pacific and Europe

**Features:** Excellent adhesion of aluminum to film Excellent moisture barrier Excellent light barrier Good hot tack High yield Easy to convert Brilliant metal appearance **Features:** In Lamination Lap Sealable Light Barrier Moisture

**Barrier Applications:** Bakery Biscuits/Cookie/Crackers Box Overwrap Confectionery, Chocolate Confectionery, Gum Confectionery, Sugar

Crisps and Snacks Frozen Food Ice Cream Pet Food **Uses:** HFFS Flexible Packaging Pre-made Bags – Flexible Packaging VFFS Flexible

Packaging **Processing Method:** Cold Seal Adhesive, Inner Web Adhesive Lamination, Solvent Flexographic Printing, Solvent Rotogravure

Printing and Surface Print **Unsupported Information provided by ExxonMobil**

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_ExxonMobil-Metallyte-20MM480-OPP-Film.php](http://www.lookpolymers.com/polymer_ExxonMobil-Metallyte-20MM480-OPP-Film.php)

Physical Properties	Metric	English	Comments
Water Vapor Transmission	0.807 g/m <sup>2</sup> /day	0.0520 g/100 in <sup>2</sup> /day	90% RH; ExxonMobil Method
	@Temperature 38.0 °C	@Temperature 100 °F	
Oxygen Transmission Rate	100 cc/m <sup>2</sup> /day	6.45 cc/100 in <sup>2</sup> /day	Wet, 75% RH; ExxonMobil Method
	@Temperature 23.0 °C	@Temperature 73.4 °F	
Oxygen Transmission Rate	101 cc/m <sup>2</sup> /day	6.50 cc/100 in <sup>2</sup> /day	0% RH; ExxonMobil Method
	@Temperature 23.0 °C	@Temperature 73.4 °F	
Thickness	20.1 microns	0.790 mil	ExxonMobil Method
Coating Weight	17.9 g/m <sup>2</sup>	11.2 lb/ream	ExxonMobil Method

Mechanical Properties	Metric	English	Comments
Film Elongation at Break, MD	175 %	175 %	7.9 in/min, 4.9 in Jaw Separation; ExxonMobil Method
Film Elongation at Break, TD	60 %	60 %	7.9 in/min, 4.9 in Jaw Separation; ExxonMobil Method
Modulus of Elasticity	2.00 GPa	290 ksi	MD; ExxonMobil Method
	3.60 GPa	522 ksi	
Seal Strength	360 g/25 mm	360 g/in	Otto Brugger, 0.2 sec; ExxonMobil Method
	@Pressure 0.276 MPa, Temperature 140 °C	@Pressure 40.0 psi, Temperature 284 °F	
Film Tensile Strength at Break, MD	150 MPa	21800 psi	7.9 in/min, 4.9 in Jaw Separation; ExxonMobil Method

Mechanical Properties	Metric	English	Comments
Impact Strength, Charpy, TD	10.0 J/m <sup>2</sup>	10.0 J/m <sup>2</sup>	4.9 in Jaw Separation; ExxonMobil Method

Thermal Properties	Metric	English	Comments
Shrinkage, MD	6.5 % @Temperature 135 °C, Time 432 sec	6.5 % @Temperature 275 °F, Time 0.120 hour	ExxonMobil Method
Shrinkage, TD	4.5 % @Temperature 135 °C, Time 432 sec	4.5 % @Temperature 275 °F, Time 0.120 hour	ExxonMobil Method

Optical Properties	Metric	English	Comments
Optical Density	2.1	2.1	ExxonMobil Method

Descriptive Properties	Value	Comments
Heat Seal Range	54°F	36.3 psi, 0.2 sec
Yield	38600 in <sup>2</sup> /lb	

## Contact Songhan Plastic Technology Co.,Ltd.

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