

ExxonMobil Metallyte™ 12MM281 OPP Film

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

Material Notes:

Product Description: A high barrier, non-sealable OPP film with one-side metalized and one-side treated. 12MM281 is designed for use as the center web of a triplex adhesive lamination. The treated surface offers excellent compatibility with laminating adhesives and cohesives (cold seals).
Availability: Latin America, North America and South America
Key Features: Outstanding light barrier
 Excellent moisture and oxygen barriers
 Excellent cold seal adhesion
 Adhesive lamination capable
 Excellent metal adhesion and appearance
Features: Light Barrier
 Moisture Barrier
 Oxygen Barrier
Applications: Bakery Biscuits/Cookie/Crackers Confectionery, Chocolate Confectionery, Gum Confectionery, Sugar Crisps and Snacks Dry Foods and Beverage Powders
Pet Food Uses: HFFS Flexible Packaging Pouches – Flexible Packaging VFFS Flexible Packaging
Processing Method: Cold Seal Adhesive and Middle Web Adhesive Lamination
 Information provided by ExxonMobil

Order this product through the following link:

http://www.lookpolymers.com/polymer_ExxonMobil-Metallyte-12MM281-OPP-Film.php

Physical Properties	Metric	English	Comments
Water Vapor Transmission	0.0931 g/m ² /day @Temperature 38.0 °C	0.00600 g/100 in ² /day @Temperature 100 °F	90% RH; ExxonMobil Method
Oxygen Transmission Rate	18.6 cc/m ² /day @Temperature 23.0 °C	1.20 cc/100 in ² /day @Temperature 73.4 °F	0% RH; ExxonMobil Method
Thickness	12.7 microns	0.500 mil	ExxonMobil Method
Coating Weight	11.4 g/m ²	7.10 lb/ream	ExxonMobil Method

Mechanical Properties	Metric	English	Comments
Film Tensile Strength at Break, MD	131 MPa	19000 psi	20 in/min, 2.0 in Jaw Separation; ExxonMobil Method
Film Tensile Strength at Break, TD	262 MPa	38000 psi	20 in/min, 2.0 in Jaw Separation; ExxonMobil Method

Thermal Properties	Metric	English	Comments
Shrinkage, MD	5.0 % @Temperature 135 °C	5.0 % @Temperature 275 °F	ExxonMobil Method
Shrinkage, TD	5.0 % @Temperature 135 °C	5.0 % @Temperature 275 °F	ExxonMobil Method

Optical Properties	Metric	English	Comments
Optical Density	2.4	2.4	ExxonMobil Method

Optical Properties	Metric	English	Comments	Method
Descriptive Properties				
Wetting Tension		0.85 receding cos theta		Matte Surface
Yield		61200 in ² /lb		

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