

ExxonMobil Label-Lyte™ 50LL539 OPP Film

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

Material Notes:

Product Description: A clear, two-side treated, polypropylene label facestock designed for demanding pressure sensitive applications where outstanding ink adhesion and adhesive anchorage are required. This premium film provides a no label look and is commonly used in beverage, health-and-beauty, and pharmaceutical applications. The coated print surface is compatible with UV, flexo, letterpress, screen and offset system. Additionally, it is compatible with solvent and water based flexo and solvent based gravure. 50LL539 is also compatible with hot stamping and cold foil stamping systems. The adhesive side is coated to provide improved anchorage of pressure-sensitive adhesives. **Availability:** Africa & Middle East, Asia Pacific, Europe, Latin America, North America and South America **Key Features:** Excellent gloss and transparency Excellent compatibility with a broad range of ink systems, including UV flexo Excellent adhesive anchorage Excellent "in-to-out" blocking resistance Excellent stiffness for automatic label dispensing **Applications:** Beverage, Alcoholic Beverage, Carbonated Beverage, Mineral Waters Biscuits/Cookie/Crackers Confectionery, Chocolate Confectionery, Gum Confectionery, Sugar Dairy Products Health and Beauty Care Household and Detergents Industrial Pet Food Pharmaceuticals **Uses:** Pressure Sensitive Labels **Processing Method:** Inner Web Adhesive Lamination, Solvent Flexographic Printing, Solvent Rotogravure Printing, Surface Print Unsupported, Thermal Transfer Printing, UV Flexographic Printing, UV Letterpress Printing, UV Offset Lithography Printing, UV Screen Printing and Water-based Flexographic Printing **Information provided by ExxonMobil**

Order this product through the following link:

http://www.lookpolymers.com/polymer_ExxonMobil-Label-Lyte-50LL539-OPP-Film.php

Physical Properties	Metric	English	Comments
Thickness	50.8 microns	2.00 mil	ExxonMobil Method
Coating Weight	45.4 g/m ²	28.4 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	65 %	65 %	7.9 in/min, 4.9 in Jaw Separation; ExxonMobil Method
Modulus of Elasticity	2.00 GPa	290 ksi	MD; ExxonMobil Method
	3.50 GPa	508 ksi	TD; ExxonMobil Method
Film Tensile Strength at Break, MD	120 MPa	17400 psi	7.9 in/min, 4.9 in Jaw Separation; ExxonMobil Method
Film Tensile Strength at Break, TD	245 MPa	35500 psi	7.9 in/min, 4.9 in Jaw Separation; ExxonMobil Method

Thermal Properties	Metric	English	Comments
Shrinkage, MD	4.0 %	4.0 %	ExxonMobil Method

Thermal Properties	Metric @Temperature 135 °C, Time 432 sec	English @Temperature 275 °F, Time 0.120 hour	Comments
Shrinkage, TD	2.0 % @Temperature 135 °C, Time 432 sec	2.0 % @Temperature 275 °F, Time 0.120 hour	ExxonMobil Method

Optical Properties	Metric	English	Comments
Haze	2.5 %	2.5 %	ExxonMobil Method
Gloss	80 %	80 %	45°, Print Surface; ExxonMobil Method

Descriptive Properties	Value	Comments
Yield	15200 in ² /lb	

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