

ExxonMobil Label-Lyte™ 52LLC210 Preliminary Data Sheet OPP Film

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

Material Notes:

Product Description: A clear gloss, surface-printable polyolefin film with enhanced conformability and squeezability for use in face-stock pressure sensitive applications. The proprietary core construction offers improved flexibility for use on containers where conformable and squeezable properties are required. The tread surface is designed for excellent print receptivity and broad base of ink chemistries. The adhesive-receptive surface is suitable for treatment and application of typical pressure sensitive adhesive chemistries.

Availability: Asia Pacific, Europe, Latin America, North America and South America

Key Features: Excellent squeeze and conformable characteristics

Engineered physical properties to enhance processability throughout the chain of use: Exceptional clarity and gloss for "no-label" look

Designed for use with: metalized inks, Outstanding hot stamp and cold foil performance

Excellent die cutability

Features: Conformable, Humidity Resistant, Squeezable

Applications: Automotive Beverage, Alcoholic Beverage, Carbonated Beverage, Mineral Waters Food, bottled and canistered, Health and Beauty Care, Household and Detergents

Uses: Pressure Sensitive Labels

Processing Method: Solvent Flexographic Printing, Solvent Rotogravure Printing, Surface Print, 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-52LLC210-Preliminary-Data-Sheet-OPP-Film.php

Physical Properties	Metric	English	Comments
Thickness	50.8 microns	2.00 mil	ExxonMobil Method
Coating Weight	45.6 g/m ²	28.5 lb/ream	ExxonMobil Method

Mechanical Properties	Metric	English	Comments
Film Elongation at Break, MD	218 %	218 %	7.9 in/min, 4.9 in Jaw Separation; ExxonMobil Method
Film Elongation at Break, TD	55 %	55 %	7.9 in/min, 4.9 in Jaw Separation; ExxonMobil Method
Film Tensile Strength at Break, MD	103 MPa	14900 psi	7.9 in/min, 4.9 in Jaw Separation; ExxonMobil Method
Film Tensile Strength at Break, TD	175 MPa	25400 psi	7.9 in/min, 4.9 in Jaw Separation; ExxonMobil Method

Thermal Properties	Metric	English	Comments
Shrinkage, MD	5.3 %	5.3 %	ExxonMobil Method
	@Temperature 135 °C, Time 432 sec	@Temperature 275 °F, Time 0.120 hour	
Shrinkage, TD	2.3 %	2.3 %	ExxonMobil Method
	@Temperature 135 °C, Time 432 sec	@Temperature 275 °F, Time 0.120 hour	

Thermal Properties	Metric	English	Comments
Optical Properties	Metric	English	Comments
Haze	6.0 %	6.0 %	ExxonMobil Method
Gloss	77 %	77 %	45°; ExxonMobil Method

Descriptive Properties	Value	Comments
Yield	15100 in ² /lb	

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