ExxonMobil Label-Lyte™ 612LLG102 OPP Film

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

Material Notes:

Product Description: A clear, two-side treated, polypropylene film that is used in roll-fed labeling applications. This film can be laminated to itself or applied as an outer web to other films. 612LLG102 is formulated with a proprietary non-migratory slip system. The print surface is treated and can be printed with water-based or solvent-based flexo and gravure inks, and is the intended print and laminating surface. The opposite surface is treated to promote hot melt adhesion.Availability: Latin America, North America and South AmericaKey Features: Outstanding clarity and glossExcellent ink adhesion with solvent-based ink systemsExcellent bond strength and most laminating adhesivesContains non-migratory slip system for outstanding performance on roll-fed labeling machinesGood hot melt adhesionApplications:Beverage, Carbonated Beverage, Mineral Waters Dairy ProductsDry Foods and Beverage PowdersUses: Reel-Fed LabelsProcessing Method: Inner Web Adhesive Lamination, Outer Web Adhesive Lamination, Solvent Flexographic Printing, Solvent Rotogravure Printing, Surface Print Unsupported and Water-based Flexographic PrintingInformation provided by ExxonMobil

Order this product through the following link:
http://www.lookpolymers.com/polymer_ExxonMobil-Label-Lyte-612LLG102-OPP-Film.php

Physical Properties	Metric	English	Comments
Thickness	12.7 microns	0.500 mil	ExxonMobil Method
Coating Weight	11.4 g/m²	7.10 lb/ream	ExxonMobil Method

Mechanical Properties	Metric	English	Comments
Film Elongation at Break, MD	160 %	160 %	7.9 in/min, 4.9 in Jaw Separation; ExxonMobil Method
Film Elongation at Break, TD	45 %	45 %	7.9 in/min, 4.9 in Jaw Separation; ExxonMobil Method
Coefficient of Friction	0.32	0.32	Machinable; ExxonMobil Method
Film Tensile Strength at Break, MD	138 MPa	20000 psi	7.9 in/min, 4.9 in Jaw Separation; ExxonMobil Method
Film Tensile Strength at Break, TD	262 MPa	38000 psi	7.9 in/min, 4.9 in Jaw Separation; ExxonMobil Method

Thermal Properties	Metric	English	Comments
Shrinkage, MD	6.0 % @Temperature 135 °C	6.0 % @Temperature 275 °F	ExxonMobil Method
Shrinkage, TD	6.0 % @Temperature 135 °C	6.0 % @Temperature 275 °F	ExxonMobil Method

Optical Properties	Metric	English	Comments

Optical Properties	Metric	English	Comments
Haze	1.4 %	1.4 %	ExxonMobil Method
Gloss	93 %	93 %	45°, Machinable Surface; ExxonMobil Method

Descriptive Properties	Value	Comments
Wetting Tension	0.80 receding cos theta	Machinable Surface
	0.85 receding cos theta	High Energy Surface
Yield	61200 in^2/lb	

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