

LG Chemical LUTENE FB3000 LDPE Extrusion of Blown Film

Category : Polymer , Film , Thermoplastic , Polyethylene (PE) , LDPE , Low Density Polyethylene (LDPE), Film Grade

Material Notes:

Description: LUTENE FB3000 is mainly intended for the extrusion of blown film with high mechanical property for the clarity bags in all thickness. LUTENE FB3000 have high mechanical property and enables the product of very thin, clear gloss film. (LUTENE FB3000 contains slip agent and antiblock agent.)Main Application: Clarity bags in all thickness, film for automatic packing, packing textiles, lightweight carrier bags, shrink film for packing, film for lamination.CAS No. 9002-88-4Information provided by LG Chemical

Order this product through the following link:

http://www.lookpolymers.com/polymer_LG-Chemical-LUTENE-FB3000-LDPE-Extrusion-of-Blown-Film.php

Physical Properties	Metric	English	Comments
Specific Gravity	0.921 g/cc	0.921 g/cc	ASTM D1505
Water Vapor Transmission	10.5 g/m ² /day	0.676 g/100 in ² /day	
Oxygen Transmission Rate	2000 cc/m ² /day	129 cc/100 in ² /day	
Nitrogen Transmission	7500 cc-mm/m ² -24hr-atm	19100 cc-mil/100 in ² -24hr-atm	
Melt Flow	3.0 g/10 min @Load 2.16 kg, Temperature 190 Â°C	3.0 g/10 min @Load 4.76 lb, Temperature 374 Â°F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Film Elongation at Break, MD	420 %	420 %	ASTM D882
Film Elongation at Break, TD	610 %	610 %	ASTM D882
Elmendorf Tear Strength MD	8.83 g	8.83 g	ASTM D1922
Elmendorf Tear Strength TD	8.34 g	8.34 g	ASTM D1922
Dart Drop Test	110 g	0.243 lb	ASTM D1709
Film Tensile Strength at Break, MD	18.6 MPa	2700 psi	ASTM D882
Film Tensile Strength at Break, TD	18.1 MPa	2630 psi	ASTM D882

Thermal Properties	Metric	English	Comments
Melting Point	110 Â°C	230 Â°F	DSC
Vicat Softening Point	90.0 Â°C	194 Â°F	ASTM D1525

Optical Properties	Metric	English	Comments
Haze	8.0 %	8.0 %	ASTM D1003
Gloss	95 %	95 %	60°; ASTM D2457

Processing Properties	Metric	English	Comments
Processing Temperature	140 - 160 °C	284 - 320 °F	
Blow-up Ratio (BUR)	1.5 - 3.0	1.5 - 3.0	

Descriptive Properties	Value	Comments
Slip Coefficient	0.08	ASMT D1894

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