

LG Chemical LUTENE FB0300 LDPE Blown Film Grade

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

Material Notes:

Description: LUTENE FB0300 is mainly intended for the extrusion of blown film with high mechanical property for the manufacture of heavy duty sacks and pallet shrink films. LUTENE FB0300 have the excellent mechanical properties and high stress cracking resistance make suitable for heavy duty bags and particularity bottom sealed bags. (LUTENE FB0300 contains no slip agent.)Main Application: Packing of heavy products, Shrink hoods, Pallet shrink covers, all types of industrial packingCAS No. 9002-88-4Information provided by LG Chemical

Order this product through the following link:

http://www.lookpolymers.com/polymer_LG-Chemical-LUTENE-FB0300-LDPE-Blown-Film-Grade.php

Physical Properties	Metric	English	Comments
Specific Gravity	0.921 g/cc	0.921 g/cc	ASTM D1505
Water Vapor Transmission	10.0 g/mÂ²/day	0.644 g/100 inÂ²/day	
Oxygen Transmission Rate	2000 cc/mÂ²/day	129 cc/100 inÂ²/day	
Nitrogen Transmission	3500 cc-mm/mÂ²-24hr-atm	8890 cc-mil/100 inÂ²-24hr-atm	
Environmental Stress Crack Resistance	>= 500 hour	>= 500 hour	F50; ASTM D1693
Thickness	20.0 - 100 microns	0.787 - 3.94 mil	
	50.0 - 300 microns	1.97 - 11.8 mil	
Melt Flow	0.40 g/10 min @Load 2.16 kg, Temperature 190 Â°C	0.40 g/10 min @Load 4.76 lb, Temperature 374 Â°F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Film Elongation at Break, MD	550 %	550 %	ASTM D882
Film Elongation at Break, TD	650 %	650 %	ASTM D882
Tear Strength	363 kN/m	2070 pli	MD; ASTM D1922
	373 kN/m	2130 pli	TD; ASTM D1922
Dart Drop Test	300 g	0.662 lb	ASTM D1709
Film Tensile Strength at Break, MD	23.5 MPa	3410 psi	ASTM D882
Film Tensile Strength at Break, TD	22.6 MPa	3280 psi	ASTM D882

Thermal Properties	Metric	English	Comments
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Thermal Properties	Metric	English	Comments
Crystallization Temperature	104 Â°C	219 Â°F	ASTM D1525
Vicat Softening Point	95.0 Â°C	203 Â°F	ASTM D1525
Brittleness Temperature	<= -60.0 Â°C	<= -76.0 Â°F	ASTM D740

Optical Properties	Metric	English	Comments
Haze	17 %	17 %	ASTM D1003
Gloss	95 %	95 %	60Â°; ASTM D2457

Processing Properties	Metric	English	Comments
Processing Temperature	190 - 220 Â°C	374 - 428 Â°F	
Blow-up Ratio (BUR)	1.5 - 2.0	1.5 - 2.0	

Descriptive Properties	Value	Comments
Slip Coefficient	0.47	ASMT D1894

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