

TITANEX® LF1045

Linear Low Density Polyethylene
Lotte Chemical Titan (M) Sdn. Bhd.

Message:

TITANEX® LF1045 is a Linear Low Density Polyethylene material. It is available in Asia Pacific for blown film.
Important attributes of TITANEX® LF1045 are:
Antioxidant
Butene Comonomer
Good Tear Strength
Good Toughness
Impact Resistant
Typical applications include:
Bags/Liners
Packaging

General Information			
Additive	Antioxidant		
Features	Antioxidant		
	Butene Comonomer		
	Good Color Stability		
	Good Drawdown		
	Good Impact Resistance		
	Good Tear Strength		
	Good Toughness		
Uses	Puncture Resistant		
Uses	Bags		
	Food Packaging		
Forms	Pellets		
Processing Method	Blown Film		
Physical	Nominal Value	Unit	Test Method
Density	0.918	g/cm ³	ASTM D1505
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	1.0	g/10 min	ASTM D1238
Films	Nominal Value	Unit	Test Method
Film Thickness - Tested	25	µm	ASTM D882
Secant Modulus			
1% Secant, MD : 25 µm, Blown Film	167	MPa	
1% Secant, TD : 25 µm, Blown Film	196	MPa	ASTM D882
Tensile Strength			
MD : Break, 25 µm,Blown Film	40.2	MPa	
TD : Break, 25 µm,Blown Film	30.4	MPa	

Tensile Elongation			ASTM D882
MD : Break, 25 µm,Blown Film	550	%	
TD : Break, 25 µm,Blown Film	700	%	
Dart Drop Impact (25 µm, Blown Film)	100	g	ASTM D1709
Elmendorf Tear Strength			ASTM D1922
MD : 25 µm, Blown Film	180	g	
TD : 25 µm, Blown Film	380	g	
Optical	Nominal Value	Unit	Test Method
Gloss (45°, 25.0 µm, Blown Film)	65		ASTM D2457
Haze (25.0 µm, Blown Film)	10	%	ASTM D1003
Extrusion	Nominal Value	Unit	
Melt Temperature	180 to 200	°C	

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Recommended distributors for this material

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