

TITANEX® LF1040

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

Message:

TITANEX® LF1040 is a Linear Low Density Polyethylene material. It is available in Asia Pacific for blown film.

Important attributes of TITANEX® LF1040 are:

- Antiblock
- Antioxidant
- Butene Comonomer
- Good Tear Strength
- Good Toughness
- Typical applications include:
 - Bags/Liners
 - Film
 - Industrial Applications
 - Packaging

General Information			
Additive	Antioxidant		
	High Antiblock		
	Slip		
Features	Antioxidant		
	Butene Comonomer		
	Good Drawdown		
	Good Impact Resistance		
	Good Tear Strength		
	Good Toughness		
	High Antiblocking		
	Puncture Resistant		
	Slip		
Uses	Bags		
	Film		
	Industrial Applications		
	Liners		
	Packaging		
Forms	Pellets		
Processing Method	Blown Film		
Physical	Nominal Value	Unit	Test Method
Density	0.922	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	
Secant Modulus			ASTM D882
1% Secant, MD : 25 μm, Blown Film	167	MPa	
1% Secant, TD : 25 μm, Blown Film	196	MPa	
Tensile Strength			ASTM D882
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)	60		ASTM D2457
Haze (25.0 μm, Blown Film)	15	%	ASTM D1003
Extrusion	Nominal Value	Unit	
Melt Temperature	180 to 200	°C	

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Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China

