

Lotrène® LDPE FB5026

Low Density Polyethylene

QAPCO

Message:

Lotrène® LDPE FB5026 is a Low Density Polyethylene product. It can be processed by blown film or film extrusion and is available in Africa & Middle East or Europe. Applications of Lotrène® LDPE FB5026 include bags/liners, film, food contact applications, industrial applications and packaging.

Characteristics include:

- REACH Compliant
- Food Contact Acceptable
- Good Aesthetics
- Good Dimensional Stability
- High Gloss

General Information			
Additive	Slip		
Features	Food Contact Acceptable		
	Good Dimensional Stability		
	High Gloss		
	High Strength		
	Medium Rigidity		
	Opticals		
Uses	Slip		
	Bags		
	Film		
	Industrial Applications		
	Liners		
	Packaging		
Agency Ratings	Shrink Wrap		
	EC 1907/2006 (REACH)		
Forms	FDA 21 CFR 177.1520		
	Pellets		
Processing Method	Blown Film		
	Film Extrusion		
Physical	Nominal Value	Unit	Test Method
Density	0.920	g/cm ³	ASTM D1505
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	0.60	g/10 min	ASTM D1238
Mechanical	Nominal Value	Unit	Test Method
Coefficient of Friction	0.20		ASTM D1894

Films	Nominal Value	Unit	Test Method
Film Thickness - Tested	50	μm	
Film Thickness - Recommended / Available	40 to 200μm		
Tensile Strength			ASTM D882
MD : Yield,50 μm	14.0	MPa	
TD : Yield,50 μm	11.0	MPa	
MD : Break, 50 μm	24.0	MPa	
TD : Break, 50 μm	24.0	MPa	
Tensile Elongation			ASTM D882
MD : Break, 50 μm	550	%	
TD : Break, 50 μm	600	%	
Dart Drop Impact ¹ (50 μm)	200	g	ASTM D1709
Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature	93.0	°C	ASTM D1525
Peak Crystallization Temperature (DSC)	108	°C	ASTM E794
Optical	Nominal Value	Unit	Test Method
Gloss (45°, 50.0 μm)	45		ASTM D2457
Clarity (50.0 μm)	45.0		ASTM D1746
Haze (50.0 μm)	11	%	ASTM D1003
Extrusion	Nominal Value	Unit	
Melt Temperature	160 to 180	°C	
NOTE			
1.	F50		

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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



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