

Lotrène® LDPE FD0374

Low Density Polyethylene

QAPCO

Message:

Lotrène® LDPE FD0374 is a Low Density Polyethylene product. It can be processed by blown film, cast film, or film extrusion and is available in Africa & Middle East or Europe. Applications of Lotrène® LDPE FD0374 include bags/liners, film, food contact applications and packaging.

Characteristics include:

- REACH Compliant
- Antiblock
- Clarity
- Food Contact Acceptable
- Good Processability

General Information			
Additive	Antiblock		
	Slip		
Features	Antiblocking		
	Food Contact Acceptable		
	Good Drawdown		
	Good Processability		
	High Clarity		
	High Gloss		
	Slip		
Uses	Bags		
	Film		
	Packaging		
Agency Ratings	EC 1907/2006 (REACH)		
	FDA 21 CFR 177.1520		
Appearance	Clear/Transparent		
Forms	Pellets		
Processing Method	Blown Film		
	Cast Film		
	Film Extrusion		
Physical	Nominal Value	Unit	Test Method
Density	0.923	g/cm³	ASTM D1505
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	3.5	g/10 min	ASTM D1238
Mechanical	Nominal Value	Unit	Test Method

Coefficient of Friction	0.090		ASTM D1894
Films	Nominal Value	Unit	Test Method
Film Thickness - Tested	50	μm	
Film Thickness - Recommended / Available	20 to 100μm		
Tensile Strength			ASTM D882
MD : Yield,50 μm	12.0	MPa	
TD : Yield,50 μm	10.0	MPa	
MD : Break, 50 μm	19.0	MPa	
TD : Break, 50 μm	21.0	MPa	
Tensile Elongation			ASTM D882
MD : Break, 50 μm	450	%	
TD : Break, 50 μm	550	%	
Dart Drop Impact ¹ (50 μm)	100	g	ASTM D1709B
Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature	93.0	°C	ASTM D1525
Peak Crystallization Temperature (DSC)	109	°C	ASTM E794
Optical	Nominal Value	Unit	Test Method
Gloss (45°, 50.0 μm)	75		ASTM D2457
Clarity (50.0 μm)	85.0		ASTM D1746
Haze (50.0 μm)	6.5	%	ASTM D1003
Extrusion	Nominal Value	Unit	
Melt Temperature	140 to 150	°C	
NOTE			
1.	F50		

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