

# Lotrène® LDPE FD0474

Low Density Polyethylene

QAPCO

Message:

Lotrène® LDPE FD0474 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 FD0474 include film, packaging and food contact applications.

Characteristics include:

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

General Information			
Additive	High Antiblock		
	High Slip		
Features	Food Contact Acceptable		
	Good Processability		
	High Antiblocking		
	High Clarity		
	High Gloss		
	High Slip		
Uses	Cast Film		
	Film		
	Food Packaging		
	Packaging		
Agency Ratings	EC 1907/2006 (REACH)		
	FDA 21 CFR 177.1520		
Appearance	Clear/Transparent		
Forms	Pellets		
Processing Method	Blown 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)	4.0	g/10 min	ASTM D1238
Mechanical	Nominal Value	Unit	Test Method
Coefficient of Friction	0.12		ASTM D1894

Films	Nominal Value	Unit	Test Method
Film Thickness - Tested	50	μm	
Film Thickness - Recommended / Available	15 to 100μm		
Tensile Strength			ASTM D882
MD : Yield,50 μm	15.0	MPa	
TD : Yield,50 μm	11.0	MPa	
MD : Break, 50 μm	18.0	MPa	
TD : Break, 50 μm	15.0	MPa	
Tensile Elongation			ASTM D882
MD : Break, 50 μm	400	%	
TD : Break, 50 μm	550	%	
Dart Drop Impact <sup>1</sup> (50 μm)	100	g	ASTM D1709B
Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature	93.0	°C	ASTM D1525
Peak Crystallization Temperature (DSC)	112	°C	ASTM E794
Optical	Nominal Value	Unit	Test Method
Gloss (45°, 50.0 μm)	80		ASTM D2457
Clarity (50.0 μm)	90.0		ASTM D1746
Haze (50.0 μm)	6.0	%	ASTM D1003
Extrusion	Nominal Value	Unit	
Melt Temperature	140 to 150	°C	
NOTE			
1.	F50		

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#### Recommended distributors for this material

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