

Lotrène® LDPE FD0374

Low Density Polyethylene

QAPCO

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Technical Data

Product Description

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

Material Status	• Commercial: Active
Literature ¹	• Technical Datasheet (English)
Availability	• Africa & Middle East • Europe
Additive	• Antiblock • Slip
Features	• Antiblocking • Good Processability • Food Contact Acceptable • High Clarity • Slip • Good Drawdown • High Gloss
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 (English)	Nominal Value (SI)	Test Method
Density	0.923 g/cm ³	0.923 g/cm ³	ASTM D1505
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	3.5 g/10 min	3.5 g/10 min	ASTM D1238

Mechanical	Nominal Value (English)	Nominal Value (SI)	Test Method
Coefficient of Friction	0.090	0.090	ASTM D1894

Films	Nominal Value (English)	Nominal Value (SI)	Test Method
Film Thickness - Tested	2.0 mil	50 µm	
Film Thickness - Recommended / Available	20 to 100µm	20 to 100µm	
Tensile Strength			ASTM D882
MD : Yield, 2.0 mil (50 µm)	1740 psi	12.0 MPa	
TD : Yield, 2.0 mil (50 µm)	1450 psi	10.0 MPa	
MD : Break, 2.0 mil (50 µm)	2760 psi	19.0 MPa	
TD : Break, 2.0 mil (50 µm)	3050 psi	21.0 MPa	
Tensile Elongation			ASTM D882
MD : Break, 2.0 mil (50 µm)	450 %	450 %	
TD : Break, 2.0 mil (50 µm)	550 %	550 %	
Dart Drop Impact ³ (2.0 mil (50 µm))	100 g	100 g	ASTM D1709B

Thermal	Nominal Value (English)	Nominal Value (SI)	Test Method
Vicat Softening Temperature	199 °F	93.0 °C	ASTM D1525
Peak Crystallization Temperature (DSC)	228 °F	109 °C	ASTM E794

Optical	Nominal Value (English)	Nominal Value (SI)	Test Method
Gloss (45°, 1.97 mil (50.0 µm))	75	75	ASTM D2457
Clarity (1.97 mil (50.0 µm))	85.0	85.0	ASTM D1746
Haze (1.97 mil (50.0 µm))	6.5 %	6.5 %	ASTM D1003

Extrusion	Nominal Value (English)	Nominal Value (SI)
Melt Temperature	284 to 302 °F	140 to 150 °C



Notes

¹ These links provide you with access to supplier literature. We work hard to keep them up to date; however you may find the most current literature from the supplier.

² Typical properties: these are not to be construed as specifications.

³ F50



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Where to Buy

Supplier

QAPCO

Doha, Qatar

Telephone: +974-4321105

Web: <http://www.qapco.com/>

Distributor

GAZECHIM PLASTIQUES

GAZECHIM PLASTIQUES is a Pan European distribution company. Contact GAZECHIM PLASTIQUES for availability of individual products by country.

Telephone: +33-4-67-49-55-37

Web: <http://www.gazechim.com/>

Availability: United Kingdom

