

Lotrene® FD0274

Low Density Polyethylene

QAPCO



Prospector

General			
Material Status	• Commercial: Active		
Availability	• Europe		
Additive	• Antiblock	• Slip	
Features	• Antiblocking • Good Dimensional Stability	• High Clarity • High Gloss	• Slip
Uses	• Film	• Food Packaging	• Laminates
Agency Ratings	• EC 1907/2006 (REACH)		
Appearance	• Clear/Transparent		
Forms	• Pellets		
Processing Method	• Film Extrusion		

Physical	Nominal Value Unit	Test Method
Density	0.923 g/cm ³	ASTM D1505
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	2.4 g/10 min	ASTM D1238

Mechanical	Nominal Value Unit	Test Method
Coefficient of Friction	0.10	ASTM D1894

Films	Nominal Value Unit	Test Method
Film Thickness - Tested	50 µm	
Film Thickness - Recommended / Available	25 to 100µm	
Tensile Strength		ASTM D882
MD: Yield, 50 µm	14.0 MPa	
TD: Yield, 50 µm	11.0 MPa	
MD: Break, 50 µm	22.0 MPa	
TD: Break, 50 µm	21.0 MPa	
Tensile Elongation		ASTM D882
MD: Break, 50 µm	470 %	
TD: Break, 50 µm	570 %	
Dart Drop Impact ² (50 µm)	110 g	ASTM D1709B

Thermal	Nominal Value Unit	Test Method
Vicat Softening Temperature	94.0 °C	ASTM D1525
Peak Crystallization Temperature (DSC)	111 °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

Notes

¹ Typical properties: these are not to be construed as specifications.

² F50

Revision History