

# Lotrene® FD 0474

## Low Density Polyethylene

### QAPCO



# Prospector

General			
Material Status	• Commercial: Active		
Availability	• Europe		
Additive	• Antioxidant	• High Antiblock	• Medium Slip
Features	• Antioxidant • Good Drawdown	• High Antiblocking • High Clarity	• Medium Slip
Uses	• Film	• Food Packaging	
Agency Ratings	• EC 1907/2006 (REACH)		
Forms	• Pellets		
Processing Method	• Film Extrusion		

Physical	Nominal Value Unit	Test Method
Density	0.923 g/cm <sup>3</sup>	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	
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 (50 µm)	100 g	ASTM D1709B

Thermal	Nominal Value Unit	Test Method
Vicat Softening Temperature	93.0 °C	ASTM D1525

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

Additional Information
Crystalline Melting Point, ASTM E794: 112°C

### Notes

<sup>1</sup> Typical properties: these are not to be construed as specifications.