

Lotrene® FB 5026

Low Density Polyethylene

QAPCO



Prospector

General		
Material Status	• Commercial: Active	
Availability	• Europe	
Additive	• Low Slip	
Features	• Low Slip	• Optical
Uses	• Bags • Film	• Industrial Applications • Liners
Forms	• Pellets	
Processing Method	• Blow Molding	

Physical	Nominal Value	Unit	Test Method
Density	0.920	g/cm ³	ASTM D1505
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	0.60	g/10 min	ASTM D1238

Mechanical	Nominal Value	Unit	Test Method
Coefficient of Friction	0.20		ASTM D1894

Films	Nominal Value	Unit	Test Method
Film Thickness - Tested	50.0	µm	
Tensile Strength			ASTM D882
MD: Yield, 50.0 µm	14.0	MPa	
TD: Yield, 50.0 µm	11.0	MPa	
MD: Break, 50.0 µm	25.0	MPa	
TD: Break, 50.0 µm	25.0	MPa	
Tensile Elongation			ASTM D882
MD: Break, 50.0 µm	550	%	
TD: Break, 50.0 µm	600	%	
Dart Drop Impact (50.0 µm)	200	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)	45		ASTM D2457
Clarity (50.0 µm)	45.0		ASTM D1746
Haze (50.0 µm)	11	%	ASTM D1003

Additional Information
Crystalline Melting Point, ASTM E794: 108°C

Notes

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