

Lotrène® LDPE FE8000

Low Density Polyethylene

QAPCO

Message:

Lotrène® LDPE FE8000 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 FE8000 include bags/liners, coating applications, film, food contact applications and packaging.

Characteristics include:

REACH Compliant

Food Contact Acceptable

Good Aesthetics

High Strength

Rigid

General Information			
Features	Additive Free		
	Food Contact Acceptable		
	High Strength		
	Medium Rigidity		
	Opticals		
Uses	Bags		
	Film		
	Laminates		
	Packaging		
	Shrink Wrap		
Agency Ratings	EC 1907/2006 (REACH)		
	FDA 21 CFR 177.1520		
Forms	Pellets		
Processing Method	Blown Film		
	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)	0.80	g/10 min	ASTM D1238
Mechanical	Nominal Value	Unit	Test Method
Coefficient of Friction	0.45		ASTM D1894
Films	Nominal Value	Unit	Test Method
Film Thickness - Tested	50	µm	
Film Thickness - Recommended / Available	30 to 200µm		
Tensile Strength			ASTM D882

MD : Yield,50 μm	16.0	MPa	
TD : Yield,50 μm	12.0	MPa	
MD : Break, 50 μm	24.0	MPa	
TD : Break, 50 μm	22.0	MPa	
Tensile Elongation			ASTM D882
MD : Break, 50 μm	500	%	
TD : Break, 50 μm	600	%	
Dart Drop Impact ¹ (50 μm)	150	g	ASTM D1709B
Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature	95.0	°C	ASTM D1525
Peak Crystallization Temperature (DSC)	112	°C	ASTM E794
Optical	Nominal Value	Unit	Test Method
Gloss (45°, 50.0 μm)	60		ASTM D2457
Clarity (50.0 μm)	45.0		ASTM D1746
Haze (50.0 μm)	8.5	%	ASTM D1003
Extrusion	Nominal Value	Unit	
Melt Temperature	160 to 180	°C	
NOTE			

1. F50

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