

Lotrène® LDPE FE8004

Low Density Polyethylene

QAPCO

Message:

Lotrène® FE8004 is produced by a high pressure tubular process, mainly recommended for light and medium duty film applications with good optical properties and medium rigidity, it contains additive that gives good slip properties.

PROPERTIES

Lotrène® FE8004 produces films that are strong, sufficiently rigid for automatic packaging machines, suitable for shrink wrapping and have good optical properties.

General Information			
Additive	Slip		
Features	Food Contact Acceptable		
	Medium Rigidity		
	Opticals		
	Slip		
Uses	Bags		
	Film		
	Laminates		
	Packaging		
	Shrink Wrap		
Agency Ratings	EC 1907/2006 (REACH)		
	FDA 21 CFR 177.1520		
Forms	Pellets		
Processing Method	Blown Film		
	Extrusion		
	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 - Recommended / Available	30 to 200µm		
Tensile Strength			ASTM D882
MD : Yield	16.0	MPa	
TD : Yield	12.0	MPa	

MD : Break	24.0	MPa	
TD : Break	22.0	MPa	
Tensile Elongation			ASTM D882
MD : Break	500	%	
TD : Break	600	%	
Dart Drop Impact ¹	150	g	ASTM D1709
Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature	95.0	°C	ASTM D1525
Peak Crystallization Temperature (DSC)	111	°C	ASTM E794
Optical	Nominal Value	Unit	Test Method
Gloss (45°)	60		ASTM D2457
Clarity	45.0		ASTM D1746
Haze	8.5	%	ASTM D1003
Extrusion	Nominal Value	Unit	
Melt Temperature	160 to 180	°C	
NOTE			
1.	F50		

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