

Lotrène® LDPE FE3000

Low Density Polyethylene

QAPCO

Message:

Lotrène® FE3000 is an additive free grade produced by a tubular high pressure process, offering high strength combined with good optical properties, mainly recommended for heavy duty film applications.

PROPERTIES

Lotrène® FE3000 has a suitable molecular structure to produce film with excellent optical properties, very good shrink properties and good mechanical properties.

General Information			
Features	Food Contact Acceptable		
	High Strength		
	Opticals		
Uses	Agricultural Applications		
	Bags		
	Construction Applications		
	Film		
	Industrial Applications		
	Piping		
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)	0.30	g/10 min	ASTM D1238
Mechanical	Nominal Value	Unit	Test Method
Coefficient of Friction	0.50		ASTM D1894
Films	Nominal Value	Unit	Test Method
Film Thickness - Recommended / Available	50 to 250µm		
Tensile Strength			ASTM D882
MD : Yield	11.0	MPa	
TD : Yield	10.0	MPa	
MD : Break	24.0	MPa	

TD : Break	23.0	MPa	
Tensile Elongation			ASTM D882
MD : Break	400	%	
TD : Break	600	%	
Dart Drop Impact ¹	210	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°)	50		ASTM D2457
Clarity	40.0		ASTM D1746
Haze	12	%	ASTM D1003
Extrusion	Nominal Value	Unit	
Melt Temperature	180 to 210	°C	
NOTE			
1.	F50		

The information and data on this page are provided by manufacturers and document providers. SHANGHAI SUSHENG assumes no legal liability. It is strongly recommended to verify all technical data with material suppliers before final material selection. All rights belong to the original authors. If any infringement occurs, please contact us immediately.

Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China

