Lupolen 2427 F

Low Density Polyethylene

LyondellBasell Industries

Message:

Lupolen 2427 F is an additivated, low density polyethylene. It contains an antioxidant, slip and anti-blocking agent. It is delivered in pellet form.
Foodlaw compliance information about this product can be found in separate product documentation.
This product is not intended for use in medical and pharmaceutical applications.

General Information			
Additive	Antiblock (900 ppm) 2 Antioxidant Erucamide Slip (500 ppm)		
Features	Antiblocking Antioxidant Good Processability Low Friction Opticals Slip		
Uses	Bags Blown Film Film Food Packaging Packaging Shrink Wrap		
Forms	Pellets		
Processing Method	Blown Film		
Physical	**Nominal Value**	**Unit**	**Test Method**
Density	0.924	g/cm³	ISO 1183
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	0.75	g/10 min	ISO 1133
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Modulus	260	MPa	ISO 527-2
Tensile Stress (Yield)	11.0	MPa	ISO 527-2
Coefficient of Friction (Blown Film)	< 0.20		ISO 8295
Films	**Nominal Value**	**Unit**	**Test Method**
Film Thickness - Recommended / Available	25 to 80 µm		
Tensile Strength			ISO 527-3
MD : 50 µm, Blown Film	24.0	MPa	

TD : 50 µm, Blown Film	22.0	MPa	
Tensile Elongation			ISO 527-3
MD : Break, 50 µm, Blown Film	300	%	
TD : Break, 50 µm, Blown Film	600	%	
Dart Drop Impact (50 µm, Blown Film)	150	g	ASTM D1709
Thermal	**Nominal Value**	**Unit**	**Test Method**
Vicat Softening Temperature	96.0	°C	ISO 306/A50
Melting Temperature (DSC)	111	°C	ISO 3146
Optical	**Nominal Value**	**Unit**	**Test Method**
Gloss			ASTM D2457
20°, 50.0 µm, Blown Film	> 40		
60°, 50.0 µm, Blown Film	> 90		
Haze (50.0 µm, Blown Film)	< 9.0	%	ASTM D1003
Additional Information	**Nominal Value**	**Unit**	**Test Method**
Failure Energy [1] (50.0 µm)	55.0	J/cm	DIN 53373
Extrusion	**Nominal Value**	**Unit**	
Melt Temperature	170 to 220	°C	
NOTE			
1.	Blown Film		

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