Lupolen 2427 K

Low Density Polyethylene

LyondellBasell Industries

Message:

Lupolen 2427 K 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 (1800 ppm) 2 Antioxidant Erucamide Slip (600 ppm)
Features	Antiblocking Antioxidant Good Processability Low Friction Opticals Slip
Uses	Bags Blown Film Cast Film Film Food Packaging Industrial Applications Packaging Shrink Wrap
Forms	Pellets
Processing Method	Blown Film Cast Film

Physical	Nominal Value	Unit	Test Method
Density	0.924	g/cm³	ISO 1183
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	4.0	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	15 to 40 µm		
Tensile Strength			ISO 527-3
MD : 50 µm, Blown Film	19.0	MPa	
TD : 50 µm, Blown Film	16.0	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)	100	g	ASTM D1709
Thermal	**Nominal Value**	**Unit**	**Test Method**
Vicat Softening Temperature	92.0	°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	> 50		
60°, 50.0 µm, Blown Film	> 100		
Haze (50.0 µm, Blown Film)	< 9.0	%	ASTM D1003
Additional Information	**Nominal Value**	**Unit**	**Test Method**
Failure Energy [1] (50.0 µm)	35.0	J/cm	DIN 53373
Extrusion	**Nominal Value**	**Unit**	
Melt Temperature	150 to 190	°C	
NOTE			
1.	Blown Film		

Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

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