Lupolen 3426 J

Low Density Polyethylene

LyondellBasell Industries

Message:

Lupolen 3426 J is a low density polyethylene with outstanding high rigidity and excellent optics. It is delivered in pellet form and is additivated with slip and antiblocking agent.
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 (550 ppm) 2 Erucamide Slip (650 ppm)
Features	Antiblocking Good Processability High Stiffness Opticals Slip
Uses	Cast Film Film
Forms	Pellets
Processing Method	Blown Film Cast Film

Physical	Nominal Value	Unit	Test Method
Density	0.934	g/cm³	ISO 1183
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	3.0	g/10 min	ISO 1133
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Modulus	480	MPa	ISO 527-2
Tensile Stress (Yield)	16.0	MPa	ISO 527-2
Coefficient of Friction (Blown Film)	< 0.20		ISO 8295
Films	**Nominal Value**	**Unit**	**Test Method**
Film Thickness - Tested	50	µm	
Film Thickness - Recommended / Available	15 to 60 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	450	%	
TD : Break, 50 µm, Blown Film	600	%	
Dart Drop Impact (50 µm, Blown Film)	90	g	ASTM D1709
Thermal	**Nominal Value**	**Unit**	**Test Method**
Vicat Softening Temperature	109	°C	ISO 306/A50
Melting Temperature (DSC)	119	°C	ISO 3146
Optical	**Nominal Value**	**Unit**	**Test Method**
Gloss			ASTM D2457
20°, 50.0 µm, Blown Film	> 75		
60°, 50.0 µm, Blown Film	> 110		
Haze (50.0 µm, Blown Film)	< 10	%	ASTM D1003
Additional Information	**Nominal Value**	**Unit**	**Test Method**
Failure Energy - Blown Film (50.0 µm)	30.0	J/cm	DIN 53373
Extrusion	**Nominal Value**	**Unit**	
Melt Temperature	150 to 190	°C	

Recommended distributors for this material

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