

# Lupolen 2420 F PLUS

Low Density Polyethylene

LyondellBasell Industries

## Message:

Lupolen 2420 F PLUS is a non-additivated, low density polyethylene. This grade is characterized by a very low gel level. Typical customer applications are surface protection films or other higher value film applications where a very low gel content is required . 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			
Features	Low speed solidification crystal point		
	Optical		
	Workability, good		
	Good heat sealability		
	Good melt strength		
	No additive		
Uses	Films		
	Laminate		
Forms	Particle		
Processing Method	Blow film		
	Extrusion blow molding		
	Injection blowing molding		
Physical	Nominal Value	Unit	Test Method
Density	0.923	g/cm <sup>3</sup>	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)	> 0.80		ISO 8295
Films	Nominal Value	Unit	Test Method
Film Thickness - Tested	50	µm	
Film Thickness - Recommended / Available	1-3.9 mil (25-100 µ)		
Tensile Strength			ISO 527-3
MD: 50 µm, blown film	26.0	MPa	ISO 527-3
TD: 50 µm, blown film	24.0	MPa	ISO 527-3
Tensile Elongation			ISO 527-3
MD: Broken, 50 µm, blown film	300	%	ISO 527-3

TD: Broken, 50 µm, blown film	600	%	ISO 527-3
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		ASTM D2457
60, 50.0 µm, blown film	> 90		ASTM D2457
Haze (50.0 µm, Blown Film)	< 8.0	%	ASTM D1003
Additional Information	Nominal Value	Unit	Test Method
Failure Energy - Blown Film (50.0 µm)	55.0	J/cm	DIN 53373
Melt Temperature	170 - 220	°C	
Film properties tested using 50 µm thickness blown film extruded at a melt temperature of 180°C and a blow-up ratio of 1:2.5.			
Extrusion	Nominal Value	Unit	
Melt Temperature	170 - 220	°C	

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

