

## Technical Data Sheet

### *Lupolen* 3026H



Low Density Polyethylene

#### Product Description

*Lupolen* 3026 H is an additivated, low density polyethylene. It contains slip agent. It is characterized by a good balance between processability and mechanical properties.

LyondellBasell customers report that films made from *Lupolen* 3026 H exhibit a glossy surface finish.

*Lupolen* 3026 H provides the option to produce films with very good optical properties.

It is delivered in pellet form.

This product is not intended for use in medical and pharmaceutical applications.

<b>Application</b>	Bags & Pouches; Food Packaging Film; Lamination Film; Shrink Film
<b>Market</b>	Flexible Packaging
<b>Processing Method</b>	Blown Film
<b>Attribute</b>	Good Heat Seal; Good Processability; Low Friction; Superior Optical Properties; Unspecified Slip

Typical Properties	Nominal Value	Units	Test Method
<b>Physical</b>			
Melt Flow Rate, (190 °C/2.16 kg)	2.0	g/10 min	ISO 1133-1
Density	0.928	g/cm <sup>3</sup>	ISO 1183-1
<b>Mechanical</b>			
Tensile Modulus	300	MPa	ISO 527-1, -2
Tensile Stress at Yield	13	MPa	ISO 527-1, -2
<b>Film</b>			
Dart Drop Impact Strength, F50	110	g	ASTM D1709
Tensile Strength			
MD	25	MPa	ISO 527-1, -3
TD	18	MPa	ISO 527-1, -3
Tensile Strain at Break			
MD	350	%	ISO 527-1, -3
TD	600	%	ISO 527-1, -3
Coefficient of Friction	<0.2		ISO 8295
<b>Impact</b>			
Failure Energy	4	J/mm	DIN 53373
<b>Thermal</b>			
Vicat Softening Temperature, (A/50)	100	°C	ISO 306
Peak Melting Point	114	°C	ISO 3146

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**Optical**

Haze, (50 μm)	<7 %	ASTM D1003
Gloss		
(20°)	>70	ASTM D2457
(60°)	>110	ASTM D2457

**Additive**

Slip, Erucamide	500 ppm	LYB Method
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**Additional Information**

Test Specimen	Film
Film properties tested using 50 μm thickness blown film extruded at a melt temperature of 170°C and a blow-up ratio of 2.5:1.	

**Processing Parameters**

Extrusion Temperature	160-200 °C
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