



## Lupolen 3026 F

### Polyethylene, Low Density

#### Product Description

Lupolen 3026 F is an additivated, low density polyethylene with high rigidity. It contains slip 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.

#### Product Characteristics

Status	Commercial: Active
Test Method used	ISO
Availability	Europe
Processing Methods	Blown Film
Features	Low Friction, Opticals, Good Processability, Unspecified Slip, Good Stiffness
Typical Customer Applications	Bags & Pouches, Blown Film, Film, Food Packaging Film, Shrink Film

Typical Properties	Method	Value	Unit
Physical			
Density	ISO 1183	0.927	g/cm³
Melt flow rate (MFR) (190°C/2.16kg)	ISO 1133	0.90	g/10 min
Mechanical			
Dart drop impact (50µm, Blown Film)	ASTM D 1709	120	g
Tensile Modulus	ISO 527-1, -2	300	MPa
Tensile Stress at Yield	ISO 527-1, -2	12.0	MPa
Tensile Strength	ISO 527-1, -3	27.0	MPa
Note: MD		22.0	MPa
Note: TD			
Tensile Strain at Break	ISO 527-1, -3	300	%
Note: MD		600	%
Note: TD			
Thermal			
Vicat softening temperature (A50 (50°C/h 10N))	ISO 306	100	°C
Melting Temperature	ISO 3146	114	°C
Optical			
Haze (50µm)	ASTM D 1003	<6,5	%
Gloss	ASTM D 2457		
(20°, 50µm)		>50	
(60°, 50µm)		>100	
Film			
Melt Temperature		170 to 220	°C

#### Additional Properties

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.  
Failure Energy, DIN 53373, 50 µm: 4 J/mm  
Coefficient of Friction, ISO 8295: <30%  
Erucamide, DIN 51451: 0.05%  
Recommended Film Thickness: 25 to 80 µm

#### Notes

Typical properties; not to be construed as specifications.