

## Technical Data Sheet

### *Lupolen 2426K*



Low Density Polyethylene

#### Product Description

*Lupolen 2426 K* is an additivated, low density polyethylene. It contains slip and anti-blocking agent. It is characterized by a good processability. Films made from *Lupolen 2426 K* exhibit good optical properties. It is delivered in pellet form.

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

<b>Application</b>	Food Packaging Film; Hygiene Film; Shrink Film
<b>Market</b>	Flexible Packaging
<b>Processing Method</b>	Blown Film; Cast Film
<b>Attribute</b>	Good Heat Seal; Good Optical Properties; Good Processability; Low Friction; Unspecified Antiblocking; Unspecified Slip

Typical Properties	Nominal Value	Units	Test Method
<b>Physical</b>			
Melt Flow Rate, (190 °C/2.16 kg)	4.0	g/10 min	ISO 1133-1
Density	0.924	g/cm <sup>3</sup>	ISO 1183-1
<b>Mechanical</b>			
Tensile Modulus	260	MPa	ISO 527-1, -2
Tensile Stress at Yield	11	MPa	ISO 527-1, -2
<b>Film</b>			
Dart Drop Impact Strength, F50	100	g	ASTM D1709
Tensile Strength			
MD	19	MPa	ISO 527-1, -3
TD	16	MPa	ISO 527-1, -3
Tensile Strain at Break			
MD	300	%	ISO 527-1, -3
TD	600	%	ISO 527-1, -3
Coefficient of Friction	<0.2		ISO 8295
<b>Impact</b>			
Failure Energy	3.5	J/mm	DIN 53373
<b>Thermal</b>			
Vicat Softening Temperature, (A/50)	92	°C	ISO 306
Peak Melting Point	111	°C	ISO 3146
<b>Optical</b>			
Haze, (50 µm)	<9	%	ASTM D1003

Gloss		
(20°)	>50	ASTM D2457
(60°)	>100	ASTM D2457
<b>Additive</b>		
Slip, Erucamide	600 ppm	LYB Method
Antiblock, Natural Silica	1800 ppm	ISO 3451-1
<b>Additional Information</b>		
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.		
<b>Processing Parameters</b>		
Extrusion Temperature	150-190 °C	
Blown Film Extrusion		