

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.

Regulatory Status

For regulatory compliance information, see Lupolen 2426K [Product Stewardship Bulletin \(PSB\) and Safety Data Sheet \(SDS\)](#).

Status	Commercial: Active
Availability	Africa-Middle East; Asia-Pacific; Europe
Application	Food Packaging Film; Hygiene Film; Shrink Film
Market	Flexible Packaging
Processing Method	Blown Film; Cast Film
Attribute	Good Heat Seal; Good Optical Properties; Good Processability; Low Friction; Unspecified Antiblocking; Unspecified Slip

Typical Properties	Nominal Value	Units	Test Method
Physical			
Melt Flow Rate, (190 °C/2.16 kg)	4.0	g/10 min	ISO 1133-1
Density	0.924	g/cm ³	ISO 1183-1
Mechanical			
Tensile Modulus	260	MPa	ISO 527-1, -2
Tensile Stress at Yield	11	MPa	ISO 527-1, -2
Film			
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
Impact			
Failure Energy	3.5	J/mm	DIN 53373
Thermal			
Vicat Softening Temperature, (A/50 N)	92	°C	ISO 306
Peak Melting Point	111	°C	ISO 3146
Optical			
Haze, (50 µm)	<9	%	ASTM D1003

Gloss		
(20°)	>50	ASTM D2457
(60°)	>100	ASTM D2457
Additive		
Slip, Erucamide	600 ppm	LYB Method
Antiblock, Natural Silica	1800 ppm	ISO 3451-1
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	150-190 °C	
Blown Film Extrusion		

Notes

These are typical property values not to be construed as specification limits.