

Lupolen 3721 C

Polyethylene, Medium Density

Product Description

Lupolen 3721 C is a medium density polyethylene. It contains antioxidants and 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

Test Method used	ISO
Processing Methods	Blown Film
Features	Antioxidant, Good Drawdown, Good Heat Seal, High Impact Resistance
Typical Customer Applications	Bags & Pouches, Food Packaging Film, Products for Use in Property Modification

Typical Properties	Method	Value	Unit
Physical			
Density (23°C)	ISO 1183	0.937	g/cm³
Melt flow rate (MFR) (190°C/21.6kg)	ISO 1133	12.5	g/10 min
Mechanical			
Dart drop impact (20 µm, Blown Film)	ASTM D 1709	120	g
Tensile Modulus	ISO 527-1, -2	700	MPa
Tensile Strength	ISO 527-1, -3		
Note: MD		50	MPa
Note: TD		48	MPa
Tensile Strain at Break	ISO 527-1, -3		
Note: MD		650	%
Note: TD		650	%
Thermal			
Vicat softening temperature (A50 (50°C/h 10N))	ISO 306	121	°C
Melting Temperature	ISO 3146	127	°C
Film			
Melt Temperature		180 to 240	°C

Additional Properties

Film properties tested using 20 µm thickness blown film extruded at a melt temperature of 220°C, long stalk process, and a blow-up ratio of 1:4.

Failure Energy, DIN 53373, 20 µm: 7 J/mm

Recommended Film Thickness: 10 to 50 µm

Notes

Typical properties; not to be construed as specifications.

