

Technical Datasheet 2420 D

1) Product Description:

Lupolen 2420 D is a non-additivated, low density polyethylene. It is delivered in pellet form. Food law compliance information about this product can be found in separate product documentation. This product is not intended for use in medical and pharmaceutical applications.

2) Applications:

Film blowing applications.

3) Typical data:

Property	Test method	Unit	value
Density	ISO 1183	g/cm ³	0.923
Melt flow rate (MFR) (190°C/2.16kg)	ISO 1133	g/10 min	0.25
Dart drop impact (50µm, Blown Film)	ASTM D 1709	g	260
Tensile Modulus	ISO 527-1, -2	Mpa	260
Tensile Stress at Yield	ISO 527-1, -2	Mpa	10.0
Tensile Strength	ISO 527-1, -3	Mpa	27.0
MD			
TD			
Tensile strength at Break	ISO 527-1, -3	%	200
MD			
TD			
Vicat softening temperature (A50 (50°C/h 10N))	ISO 306	°C	96.0
Melting Temperature	ISO 3146	°C	110
Haze (50µm)	ASTM D 1003	%	<14
Gloss (20°, 50µm)	ASTM D 2457		>15
(60°, 50µm)			>50
Melt Temperature	-	°C	170 to 220
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, 70µm	DIN 53373	J/mm	6.5
Coefficient of Friction	ISO 8295	%	>80
Recommended Thickness	-	µm	70 to 220

* Typical values not to be construed as specifications.