



Producer: Basell / Europe

LDPE 2420F

Description:

Lupolen 2420F is a non-additivated, low density Polyethylene. It is delivered in pellet form. Foodlaw compliance information about this product can be found in separate product documentation.

Processing Method:

Blown Film, Injection Molding, Extrusion Blow Molding

Features:

Good Heat Seal, Good Melt Strength, Optical, Good Processability

Typical Customer Applications :

Bags & Pouches, Blow Moulding Applications, Film, Shrink film, Blown Film

TYPICAL PROPERTIES	METHOD	VALUE	UNIT
Physical			
Density	ISO 1183	0.923	g/cm ³
Melt flow rate (MFR) (190°C/2.16kg)	ISO 1133	0.75	g/10 min
Mechanical			
Tensile Modulus	ISO 527-1, -2	260	MPa
Tensile Stress at Yield	ISO 527-1, -2	11.0	MPa
Tensile Strength			
Note: MD	ISO 527-1, -3	26.0	MPa
Note: TD		20.0	MPa
Tensile Strain			
Note: MD	ISO 527-1, -3	300	%
Note:TD		600	%
Hardness			
Shore hardness (Shore D)	ISO 868	48	
Ball indentation hardness (H 49/30)	ISO 2039-1	18.0	MPa
Thermal			
Vicat softening temperature (A50 (50°C/h 10N)	ISO 306	96.0	°C
Melting Temperature	ISO 3146	111	°C
Film			
Melt Temperature		170 to 200	°C

Additional Properties :

Film properties tested using 50 µm thickness blown film extruded at a melt temperature of 180°C and blow-up ratio of 1:2.5.

Failure Energy, DIN 53373, 50 µm : 5.5 J/mm

Coefficient of Friction, ISO 8295: >80%

Recommended Thickness: 25 to 100 µm