



AMIR KABIR PETROCHEMICAL COMPANY LDPE Lupolen 2420 D

1 Product Description:

Lupolen 2420 D is a non-additivated, low density Polyethylene. It is delivered in pellet form.

2 Applications:

- Bags & Pouches
- Bottles for Consumer Goods
- Shrink Film
- Blown Film
- Film

3 Processing Method:

- Blown Film
- Injection Moulding
- Extrusion Blow Moulding

4 Features:

Good Processability, Good Tear strength, Good Toughness

No.	Property	Value	Units	Test Method
1 ▶	Density	0.923	g/cm ³	ISO 1183
2 ▶	Melt Flow Rate (MFR)(190°C/2.16Kg)	0.25	g/10 min	ISO 1133
3 ▶	Tensile Modulus	240	MPa	ISO 527-1, -2
4 ▶	Tensile Stress at Yield	10	MPa	ISO 527-1, -2
5 ▶	Tensile Strength at Break MD/TD	27/20	MPa	ISO 527-1, -3
6 ▶	Tensile Strain at Break MD/TD	200/500	%	ISO 527-1, -3
7 ▶	Dart Drop Impact(50 blown film)	250	g	ASTM D 1709
8 ▶	Vicat Softening Temp (A50 (50 °C/h 10N))	94	°C	ISO 306
9 ▶	Haze (50)	< 14	%	ASTM D 1003
10 ▶	Gloss (60 °,50)	> 50	-	ASTM D 2457
11 ▶	Shore Hardness (Shore D)	48	-	ISO 868