



Amir Kabir Petrochemical Company

LDPE 2420 K

1 Product Description:

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

2 Applications:

- Food Grade
- Coatings
- Protective
- Shrink Film
- Surface Protection Film

3 Processing Method:

- Blown Film
- Cast Film
- Extrusion Coating
- Injection Moulding

4 Features:

Good Heat Seal, Good Optical Processability, Good Processability

No.	Property	Value	Units	Test Method
1	Density	0.924	g/cm ³	ISO 1183
2	Melt flow rate (MFR) (190 °C /2.16Kg)	4	g/10 min	ISO 1133
3	Tensile Modulus	260	MPa	ISO 527-1, -2
4	Tensile Stress at Yield	11	MPa	ISO 527-1, -2
5	Tensile Strength MD/TD	22/17	MPa	ISO 527-1, -3
6	Tensile Strain at Break MD/TD	300/600	%	ISO 527-1, -3
7	Dart Drop Impact (50μ Blown Film)	100	g	ASTM D 1709
8	Vicat Softening Temperature	92	°C	ISO 306/A50
9	Haze (50μ)	< 8	%	ASTM D 1003
10	Gloss (60°, 50μ)	>105	-	ASTM D 2457

Typical properties:

These are not to be construed as specifications

AKPC

LDPE