

AMIR KABIR PETROCHEMICAL COMPANY

LDPE Lupolen 2420 H



A M I R K A B I R P E T R O C H E M I C A L C O M P A N Y

1 Product Description:

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

2 Applications:

- Bags & Pouches
- Film
- Shrink Film
- Blown Film
- Cast Film

3 Processing Method:

- Cast Film
- Blown Film

4 Features:

Good Heat Seal, Optical, Good Processability

LDPE

| No. | Property | Value | Units | Test Method |
|-----|---|---------|-------------------|---------------|
| 1 | Density | 0.924 | g/cm ³ | ISO 1183 |
| 2 | Melt flow rate (MFR)(190°C/2.16Kg) | 1.9 | 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 at Break MD/TD | 26/18 | MPa | ISO 527-1, -3 |
| 6 | Tensile Strain at Break MD/TD | 250/600 | % | ISO 527-1, -3 |
| 7 | Dart Drop Impact(50 blown film) | 110 | g | ASTM D 1709 |
| 8 | Vicat softening temp(A50 (50 °C/h 10N)) | 94 | °C | ISO 306 |
| 9 | Haze (50) | <8.0 | % | ASTM D 1003 |
| 10 | Gloss (60°, 50) | >100 | | ASTM D 2457 |

Typical properties:
not to be construed as specifications

AKPC