

## Product Data Sheet

### 2420 H

Low Density Polyethylene

### Product Description

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

### Applications:

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

### Processing Method:

- Cast Film
- Blown Film

### Features:

- Good Heat Seal
- Optical
- Good Processability

| No. | Property                              | Value   | Units             | Test Method   |
|-----|---------------------------------------|---------|-------------------|---------------|
| 1   | Density                               | 0.924   | g/cm <sup>3</sup> | 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 (50μ Blown Film)     | 110     | g                 | ASTM D 1709   |
| 8   | Vicat Softening Temperature           | 94      | °C                | ISO 306/A50   |
| 9   | Haze (50μ)                            | <8.0    | %                 | ASTM D 1003   |
| 10  | Gloss (60 °, 50μ)                     | >100    | -                 | ASTM D 2457   |
| 11  | Shore Hardness (Shore D)              | 48      | -                 | ISO 868       |