



## LDPE 2420D Technical Datasheet

### Product Description:

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

### Processing Method:

- Blown Film
- Injection Moulding
- Extrusion Blow Moulding

### Features:

Good Processability, Good Tear strength, Good Toughness

| No. | Property                             | value   | Units             | Test Method  |
|-----|--------------------------------------|---------|-------------------|--------------|
| 1   | Density                              | 0.923   | g/cm <sup>3</sup> | 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 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 (50µ Blown Film)    | 250     | g                 | ASTM D 1709  |
| 8   | Vicat Softening Temperature          | 94      | C <sup>0</sup>    | ISO 306/A50  |
| 9   | Haze (50 µ)                          | <14     | %                 | ASTM D 1003  |
| 10  | Gloss (60 <sup>0</sup> , 50µ)        | >50     | -                 | ASTM D 2457  |
| 11  | Shore Hardness (Shore D)             | 48      | -                 | ISO 868      |

## Applications:

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



 Unit 302, Sheydayee BLD, Sazman AB, Tehranpars

 <https://irplastics.com/en>

 +98-21-77784838

