TDS TECHNICAL DATA SHEET

# LDPE 2119

## Low Density Polyethylene · Film Grade

Also traded as **LFI2119 · 190** · Origin: **Iran**

| MFI (190 °C / 2.16 kg) | Density | Process | Haze |
|---|---|---|---|
| **1.9** g/10 min | **0.921** g/cm³ | **Blown Film** | **9** % |

## PRODUCT DESCRIPTION

LDPE 2119 is a low density polyethylene with excellent optical properties. It offers high output and excellent draw-down and is designed for general-purpose thin films, packaging film and lamination film.

- Excellent optics
- High output
- Excellent draw-down
- Contains antioxidant

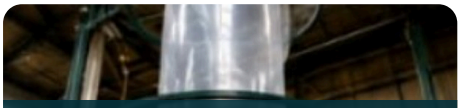
## PROCESSING GUIDE

| | |
|---|---|
| Extruder profile | 160 – 185 °C |
| Frost-line height | 5 – 7 × die Ø |
| Blow-up ratio | 2 – 3 |
| Film thickness | 20 – 50 µm |

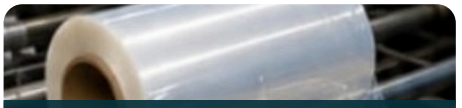
## TYPICAL PROPERTIES

| PROPERTY | TEST METHOD | UNIT | TYPICAL VALUE |
|---|---|---|---|
| **PHYSICAL** | | | |
| Melt Flow Index (190 °C / 2.16 kg) | ISO 1133 | g/10 min | **1.9** |
| Density | ISO 1183 | kg/m³ | **921** |
| **FILM (25 MM)** | | | |
| Yield Stress MD / TD | ISO 527-1, -3 | MPa | **13 / 11** |
| Tensile Stress at Break MD / TD | ISO 527-1, -3 | MPa | **35 / 20** |
| Strain at Break MD / TD | ISO 527-1, -3 | % | **> 150 / > 500** |
| Modulus of Elasticity MD / TD | ISO 527-1, -3 | MPa | **190 / 200** |
| Tear Strength MD / TD | ISO 6383-2 | kN/m | **60 / 25** |
| Coefficient of Friction | ASTM D1894 | — | **> 1** |
| Impact Strength | ASTM D4272 | kJ/m | **26** |
| **OPTICAL** | | | |
| Haze | ASTM D1003 | % | **9** |
| Gloss (45°) | ASTM D2457 | — | **55** |

## APPLICATIONS


Blown Film


Packaging & Shopping Bags


Lamination Film

## PACKAGING

**25 kg** PE / woven bags

Palletised or jumbo on request

20′ / 40′ container loading

## SUPPLY

Sea from Bandar Abbas, road or rail – **agreed per order**

**FCA, CPT or DAP** – terms in the offer

Pre-shipment inspection & export documents

## Get Today's Rate

Scan for a WhatsApp quote. Weekly rates: t.me/rabinpolybot

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◆ DIRECT SUPPLY FROM IRAN ◆ PRIME VIRGIN GRADES ◆ LOT DETAILS IN EVERY OFFER ◆ EXPORT BY SEA, ROAD & RAIL


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The values above are typical and are not to be construed as specification limits. Users should verify suitability for their own process and application.