



# PHOENIX

LAND  
INTERNATIONAL  
TRADING

## Technical Datasheet

- **Grade Name:** LLDPE 235F6
- **Categories:** Polymer, Polyethylene, Linear Low-Density Polyethylene
- **Processing Methods:** Extrusion
- **Applications:** Agricultural, Films and Tapes, Lamination, Shrink Film, Industrial Films, Frozen Food Packaging
- **Features:** Good sealability, Excellent processability, Excellent mechanical properties

| Physical Properties            |       |                   |             |
|--------------------------------|-------|-------------------|-------------|
| Properties                     | Value | Unit              | Test Method |
| MFI (190°C/2.16 Kg)            | 0.6   | g/10min           | ISO 1133    |
| Density                        | 0.922 | g/cm <sup>3</sup> | ISO 1183    |
| Mechanical Properties          |       |                   |             |
| Properties                     | Value | Unit              | Test Method |
| Flexural Modulus               | 350   | MPa               | ASTM D790   |
| Tensile Strength at Yield (MD) | 10    | MPa               | ASTM D882   |
| Tensile Strength at Yield (TD) | 11    | MPa               | ASTM D882   |
| Tensile Strength at Break (MD) | 45    | MPa               | ASTM D882   |
| Tensile Strength at Break (TD) | 25    | MPa               | ASTM D882   |
| Tensile Elongation at Break    | >600  | %                 | ASTM D882   |
| Elmendorf Tear (MD)            | 120   | gr                | ASTM D1922  |
| Elmendorf Tear (TD)            | 450   | gr                |             |
| Hardness                       | 55    | Shore D           | ASTM D2240  |
| ESCR                           | >1000 | hr                | 1693        |
| Vicat Softening Point          | 107   | °C                | ASTM D1525  |

Typical Properties: These values are not to be considered as product specifications.

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