

## Technical Datasheet

- **Grade Name:** HDPE F7000
- **Categories:** Polymer, Thermoplastic, Polyethylene, High Density Polyethylene
- **Processing Methods:** Blown Film
- **Applications:** Film, Enhanced ultra thin Film

| Physical Properties         |       |                    |              |
|-----------------------------|-------|--------------------|--------------|
| Properties                  | Value | Unit               | Test Method  |
| MFI( 190°C/2.16 KG)         | 0.04  | g/10min            | ISO 1133     |
| Density                     | 0.952 | g/cm <sup>3</sup>  | ISO 1183     |
| Mechanical Properties       |       |                    |              |
| Properties                  | Value | Unit               | Test Method  |
| Elongation at break         | >500  | %                  | ISO 527-1, 2 |
| Shore Hardness              | 64    | D Scale            | ISO 868      |
| Tensile Stress at Yield     | 250   | Kg/cm <sup>2</sup> | ASTM D638    |
| Tensile Stress at Break     | 390   | Kg/cm <sup>2</sup> | ASTM D638    |
| Stress Cracking Resistance  | >600  | hr                 | ASTM 1693    |
| Izod Impact                 | 30    | Kg.cm/cm           | ASTM D256    |
| Thermal Properties          |       |                    |              |
| Vicat softening Temperature | 124   | C°                 | ISO 306      |
| Melting Point               | 131   | °C                 | ASTM D2117   |

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

