



## HDPE F7000

High Density Polyethylene · Blown Film Grade

Also traded as 7000F · Origin: Iran

MFR (190 °C / 2.16 KG)

0.04 g/10 min

DENSITY

0.952 g/cm<sup>3</sup>

PROCESS

Blown Film

ESCR

&gt; 600 h

## PRODUCT DESCRIPTION

HDPE F7000 (7000F) is a high density polyethylene developed for very thin, high-strength films. It combines excellent mechanical strength with high stiffness and outstanding processability, making it well suited to high-speed blown film extrusion of ultra-thin film.

- Excellent mechanical strength
- High stiffness at low gauge
- Stable high-speed extrusion
- Ultra-thin film capability

## PROCESSING GUIDE

|                  |                      |
|------------------|----------------------|
| Process          | Blown film extrusion |
| Melt temperature | 180 – 220 °C         |
| Film thickness   | 6 – 60 µm            |
| Form             | Natural pellets      |

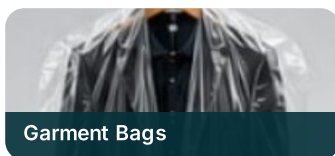
## TYPICAL PROPERTIES

| PROPERTY                              | TEST METHOD   | UNIT              | TYPICAL VALUE |
|---------------------------------------|---------------|-------------------|---------------|
| PHYSICAL                              |               |                   |               |
| Melt Flow Rate (190 °C / 2.16 kg)     | ISO 1133      | g/10 min          | 0.04          |
| Density                               | ISO 1183      | kg/m <sup>3</sup> | 952           |
| MECHANICAL                            |               |                   |               |
| Tensile Strength at Yield             | ISO 527-1, -2 | MPa               | 27            |
| Tensile Strength at Break             | ISO 527-1, -2 | MPa               | > 24          |
| Elongation at Break                   | ISO 527-1, -2 | %                 | > 500         |
| Charpy Impact Strength                | ISO 179-1     | kJ/m <sup>2</sup> | No break      |
| Hardness, Shore D                     | ISO 868       | —                 | 64            |
| Environmental Stress Crack Resistance | ASTM D1693    | h                 | > 600         |
| THERMAL                               |               |                   |               |
| Melting Temperature                   | ISO 11357     | °C                | 131           |
| Vicat Softening Temperature           | ISO 306       | °C                | 124           |

## APPLICATIONS



Tissue-like Film



Garment Bags



Grocery Bags



Counter Bags

## PACKAGING

25 kg PE / woven bags  
Palletised or jumbo on request  
20' / 40' container loading

## SUPPLY

Delivery ex-factory or at border  
100% pre-shipment inspection  
Full export documentation



## Get Today's Price

Scan to request a quote for HDPE F7000 on WhatsApp.

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◆ DIRECT SUPPLY FROM IRAN

◆ PREMIUM GRADES

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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.

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