TDS TECHNICAL DATA SHEET

HDPE F7000

High Density Polyethylene · Blown Film Grade

Also traded as **7000F** · Origin: **Iran**

MFR (190 °C / 2.16 KG)	DENSITY	PROCESS	ESCR
0.04 g/10 min	**0.952** g/cm³	**Blown Film**	**> 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

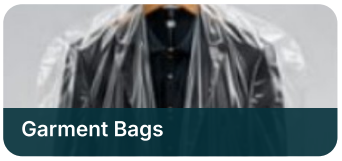
Process	**Blown film extrusion**
Melt temperature	**180 – 220 °C**
Film thickness	**6 – 60 µm**
Form	**Natural pellets**

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/m³	**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/m²	**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

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