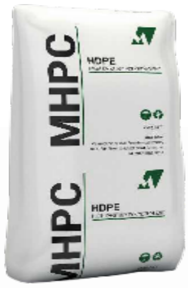
www.bluestarpetro.com



HIGH-DENSITY POLYETHYLENE

HDPE 7000F

" HD-7000F" is a high molecular weight, high-density polyethylene copolymer which has a broad molecular weight distribution. The design of the product, molecular architecture and density, gives it a unique combination of easy extrusion and high melt strength with strong physical properties which makes it suitable for producing thin films with excellent strength and rigidity.

Producer:

Mehr Petrochemical Company

NO	Property	Value	Units	Test Method
1	Melt Flow Rate	0.04	g/10 min	ASTM D 1238 @ 190 °C, 2.16 Kg
2	Density	0.954	g/cm^3	ASTM D 1505
3	Melting Point	131	°C	ASTM D 2117
4	Vicat Softening Point	124	°C	ASTM D 1525
5	Brittleness Temperature	< -60	°C	ASTM D 746
6	ESCR	> 1000	hr, F50	ASTM D 1693 @ 50 °C
7	Tensile Strength at Yield	MD: -, TD: 250	Kg/cm^2	ASTM D 638 @ crosshead speed 50mm/min
8	Tensile Strength at Break	MD: 620, TD: 310	Kg/cm^2	ASTM D 638 @ crosshead speed 50mm/min
9	Tensile Modulus, 2% Secant	MD: 8200, TD: 8000	Kg/cm^2	ASTM D 638 @ crosshead speed 50mm/min
10	Elongation at Break	MD : 240, TD : 450	%	ASTM D 638 @ crosshead speed 50mm/min
11	Elmendorf Tear Strength	MD : 3, TD : 80	g	ASTM D 1922
12	Dart Impact Strength	139	g	ASTM D 1709

Applications:

- Blown film extrusion
- High strength grocery sacks, shopping bags and high-quality thin films for multi-wall sack liners and thin paper products
- Films produced with this product can be readily treated and printed to give high quality graphics.

Social Media: +447700313096
Call: +989128145560
Info@bluestarpetro.com
sales@bluestarpetro.com
Atakent MH. 221.SK, Istanbul, Turkey
Qods St, Keshavarz Blvd. Tehran, Iran