



SHOBEIR SHIMI  
WWW.SHOBEIRSHIMI.COM  
info@shobeirshimi.com

BAKHTAR PETROCHEMICAL COMPANY

## HIGH DENSITY POLYETHYLENE HDPE 7000F

HDPE 7000F, a high-molecular-weight copolymer with butene-1, excels in producing thin films due to its exceptional strength. This grade is processed into films through the film blowing method, where molten polymer is extruded, inflated, cooled, and solidified into a sheet or tube.

Producer	Characteristic Properties	Applications
BAKHTAR	Excellent mechanical - High Stiffness - Excellent Processability High tensile Strength - Good moisture barrier Food contact applicable - Low gel content	For Tissue-like film, garment, grocery, merchandise bags, disposal waste bags, counter

### Typical Properties

Resin Properties	Unit	Typical	Test Method
Melt Flow Rate (MFR)	g/10min	0.03-0.05	ASTM 1238
Density	g/cm <sup>3</sup>	0.950-0.954	ISO 1183
Melting Point	°C	131	ASTM D 2117
Brittleness Temperature	°C	<-60	ASTM D 746
Dart Impact Strength	gr	139	ASTM D 1709
Tensile Str. @ Yield	Kg/cm <sup>2</sup>	250	ASTM D 882
Tensile Str. @ Break	Kg/cm <sup>2</sup>	310	ASTM D 882
Tensile Modulus 2% Secant	Kg/cm <sup>2</sup>	8000	ASTM D 882
Elongation @ Break	%	450	ASTM D 882
Elmendorf Tear Str.	gr	80	ASTM D 1922
VICAT	°C	124	ASTM D 1525