



Doc Name:	Product Data sheet -High Density polyethylene, ILAM Petrochemical Co. HDPE 7000F – Film Grade	Page: 1 of 1
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Product Description:

HD 7000F is high density polyethylene copolymer (with Butene-1 as co monomer) which well known for the high quality film applications. It has Bi-model design of molecular composition and then offers both excellent process ability and superior mechanical properties.

Typical Data:

Property	Test Method	Unit	Typical Value
Density (23°C)	ISO 1183	g/cm ³	0.952
Melt Flow Rate (190°C/2.16kg)	ISO 1133	g/10min	0.04
Stress at Yield	ASTM D638	Kg/cm ²	250
Stress at Break	ASTM D638	Kg/cm ²	390
Elongation at Break	ASTM D638	%	Above 500
Stiffness	ASTM D747	Kg/cm ²	10000
Izod Impact Strength	ASTM D256	Kg.cm/cm	30
Shore Hardness (D scale)	ASTM D2240		64
Stress Cracking Resistance (F50)	ASTM D1693	hr	Above 600
Melting Point	ASTM D2117	°C	131
Vicot Softening Point	ASTM D1525	°C	124

Applications

- Enhanced ultra-thin film
- Shopping Bags
- T-Shirt bags

Processing conditions:

Recommended melt temperature: 200 – 220 °C

Packaging Delivery and Storage:

The product is supplied in palletized 25-kg bags.

7000F should be stored dry and away from t sources of heat and light. Please Consult the safety data sheet for information about the safety precautions necessary for transport, Storage and processing.

Note: This information is based on our current knowledge and experience .In view of many factors that may affect processing and application, this data does not relive processors from the responsibility of carrying out their own tests and experiments, neither does it imply any legally binding assurance of certain properties or of suitability for a specific purpose. It is the responsibility of those to whom we supply our products to ensure that any proprietary rights and existing laws and legislation are observed.