

Product Data Sheet

7000F – Film Grade

High Density Polyethylene

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.

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.