



**NAME :HD 7000F**

**Product Description:**

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

**Applications:**

Enhanced ultra-thin films Shopping bags, t-shirt bags

**Typical data (Table):**

Property	Test Method	Unit	Typical Value
Density (23°C)	ISO 1183	g/cm <sup>3</sup>	0.952
Melt Flow Rate (190°C/2.16kg)	ISO 1133	g/10 min.	0.04
Flexural Modulus	ISO 178	MPa	1200
Tensile Strength @ Yield	ASTM D-638	kg/cm <sup>2</sup>	250
Tensile Strength @ Break	ASTM D-638	kg/cm <sup>2</sup>	390
Elongation at Break	ASTM D-638	%	> 500
Izod Impact Strength(23°C)	ASTM D-256	kg.cm/cm	30
Shore Hardness (D scale)	ASTM D-2240	--	64
Stress Cracking Resistance (F50)	ASTM D-1693	hr	Above 600
Melting Point	ASTM D-2117	°C	131
Vicat Softening Point	ASTM D-1525	°C	124

**Processing Conditions:**

Recommended melt temperature: 200 - 220 °C

Packaging, Delivery and Storage:

The product is supplied in palletized 25kg bags.

7000F should be stored in a dry place keeping away from sources of heat and light. Please consult the safety data sheet for information about the safety precautions necessary for transport, storage and processing.

'The values given above are typical test results under specific conditions which should be used as a guide only.