



PRODUCT DATA SHEET

Product: High Density Polyethylene (HDPE)
Grade: Film
Trade Name: HD-7000F

PRODUCT DESCRIPTION

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.

Process conditions:

Typical processing conditions for HD-7000F are:

Melt Temperature: 200 - 215°C

Frost line Height: 6-8 times die Ø

Packing: 25 Kg plastic bag

Typical Applications

HD- 7000F is recommended for blown film extrusion. This product is suggested for the manufacture of high strength grocery sacks, shopping bags and high quality thin films for multi-wall sack liners and replacement for thin paper products. Films produced with this product can be readily treated and printed to give high quality graphics.

PROPERTY	TEST METHOD	UNIT	TYPICAL VALUE*
Density (23°C)	ISO 1183	g/cm ³	0.952
Melt Flow Rate (190°C/2.16kg)	ASTM D 1238	g/10min	0.04
Melt Flow Rate (190°C/21.6kg)	ASTM D 1238	g/10min	---
Stress at Yield Point	ASTM D 638	Kg/cm ²	250
Stress at Break	ASTM D 638	Kg/cm ²	390
Elongation at Break	ASTM D 638	%	Above 500
Izod Impact	ASTM D 256	kg.cm/cm	30
Stress Cracking Resistance	ASTM D 1693	hr	Above 600
Melting Point	ASTM D 2117	°C	131