

## Product Data Sheet

**F7000**

**High Density Polyethylene**

### Product Description

**F7000** is a high density polyethylene resin ;a product of bi-modal process from Mitsui Chemicals, Inc. of Japan

### General Information

**Status** : Commercial: Active

**Application** : Enhanced ultra thin film  
Good moisture barrier  
Food contact applicable  
Good impact resistance and processability  
Shopping bag and T-shirt bag  
Garbage bag

**Features:** Recommend film thickness at 10-25 micron  
High tensile strength with good dart impact strength  
Low gel content  
High stiffness  
Wide service Temperature range, UV resistance

Typical Properties	Typical Value	Unit	Test Method
Density	0.952	g/cm <sup>3</sup>	ISO 1183
MFR(190°/21.16)	0.04	g/10min	ASTM D 1238
Stress at Break	390	kg/cm <sup>2</sup>	ASTM D 638
Stress at Yield Point	250	kg/cm <sup>2</sup>	ASTM D 638
Izod Impact	30	kg.cm/cm	ASTM D 256
Elongation at Break	Above 500	%	ASTM D 638
Stress Cracking Resistance	Above 600	hr	ASTM D 1693
Melting Point	131	°C	ASTM D 2117