

<b>Grade</b>	7000F
<b>Product</b>	HDPE

### General Information

**Key Features**

- 7000F is manufactured to be processed in conventional blown film equipment by CSTR Slurry process technology.
- Due to the molecular composition of the Bi-modal structure, the 7000F offers both excellent processability and excellent mechanical properties.

**Applications**

- Shopping Bag, Garbage Bag
- Industrial/ General Packing Film

Item	Measuring Method	Unit	Value
<b>Physical</b>			
Melt Flow Index	ASTM D1238	g/10min	0.035
Density	ASTM D1505	g/cm <sup>3</sup>	0.956
<b>Mechanical</b>			
Tensile Stress (Yield)	ASTM D638	kgf/cm <sup>2</sup>	250
Elongation (Break)	ASTM D638	%	≥500
Flexural Modulus	ASTM D790	kgf/cm <sup>2</sup>	10,000
<b>Impact</b>			
Izod Impact Strength(notched) (23°C)	ASTM D256	kgf·cm/cm	>30
<b>Thermal</b>			
VICAT Softening Temperature	ASTM D1525	°C	124
<b>Film Properties<sup>2</sup></b>			
Tensile Stress (Break) MD	ASTM D882	kgf/cm <sup>2</sup>	700
TD	ASTM D882	kgf/cm <sup>2</sup>	650
Elongation (Break) MD	ASTM D882	%	330
TD	ASTM D882	%	500
Tear Resistance MD	ASTM D1004	kgf/cm	150
TD	ASTM D1004	kgf/cm	230

1. Physical Properties : these are not to be construed as specifications

2. Φ50mm Extruder, 20μm Thickness, BUR 4, FLH 10

\* The last update date : 2021/10/01