

## HIVOREX FL7200

## HIGH DENSITY POLYETHYLENE

### General Information

#### Description

- ◆ FL7200 is a bimodal high density polyethylene copolymer which has a broad molecular weight distribution.
- ◆ The design of the product gives an unique characteristic of easy extrusion and high melt strength with excellent physical properties which makes it suitable for use in very thin film with excellent strength and rigidity.

#### Additives

- ◆ Antioxidant

#### Applications

- ◆ Thin film for bag on roll, grocery sack, shopping bag

### Physical Properties<sup>1</sup>

Resin Properties		Test Method	Nominal Value			
Melt Index, at 190℃/2.16kg		ASTM D 1238	0.07	g/10min		
Density		ASTM D 1505	0.957	g/cm³		
Tensile Strength at Break		ASTM D 638	310	kg/cm²	30.4	MPa
Elongation at Break		ASTM D 638	> 500	%		
Flexural Modulus		ASTM D 790	10,000	kg/cm²		
IZOD Impact Strength, at 23℃		ASTM D 256	> 30	kg-cm/cm		
VICAT Softening Point		ASTM D 1525	124	℃		
Film Properties²						
Tensile Strength at Break	MD	ASTM D 882	650	kgf/cm²	63.7	MPa
	TD	ASTM D 882	600	kgf/cm²	58.8	MPa
Elongation at Break	MD	ASTM D 882	300	%		
	TD	ASTM D 882	500	%		
Tear Resistance	MD	ASTM D 1004	130	kgf/cm		
	TD	ASTM D 1004	230	kgf/cm		

#### Note

ISO 9001, 14001, /TS 16949

<sup>1</sup> Resin Properties : These are not to be construed as specifications

<sup>2</sup> Film Properties : Φ50mm Extruder, 20μ Thickness, BUR 4, FLH 10