DATASHEET

ASTM Property

LOTTE CHEMICAL

Grade	FL7200
Product	HDPE

General Information	
Key Features	- 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.
Applications	- Thin film for bag on roll, grocery sack, shopping bag

Item		Measuring Method	Unit	Value
Physical				
Melt Flow Index		ASTM D1238	g/10min	0.06
Density		ASTM D1505	g/㎤	0.954
Mechanical				
Tensile Stress (Yield)		ASTM D638	kgf/㎠	240
Elongation (Break)		ASTM D638	%	≥500
Flexural Modulus		ASTM D790	kgf/㎠	10,000
Impact				
Izod Impact Strength(notched) (23℃)		ASTM D256	kgf·㎝/㎝	>30
Thermal				
VICAT Softening Temperature		ASTM D1525	℃	124
Film Properties[2]				
Tensile Stress (Break)	MD	ASTM D882	kgf/㎠	650
	TD	ASTM D882	kgf/㎠	600
Elongation (Break)	MD	ASTM D882	%	300
	TD	ASTM D882	%	500
Tear Resistance	MD	ASTM D1004	kgf/cm	130
	TD	ASTM D1004	kgf/cm	230

1. Physical Properties : these are not to be construed as specifications
2. Φ50mm Extruder, 20㎛ Thickness, BUR 4, FLH 10

* The last update date : 2021/10/01

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