DATASHEET

ASTM Property

LOTTE CHEMICAL

Grade	FL7000
Product	HDPE

General Information	
Key Features	- FL7000 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 FL7000 offers both excellent processability and excellent mechanical properties.
Applications	- Shopping Bag, Garbage Bag - Industrial/ General Packing Film

Item	Measuring Method	Unit	Value
	Physical		
Melt Flow Index	ASTM D1238	g/10min	0.035
Density	ASTM D1505	g/㎤	0.956
	Mechanical		
Tensile Stress (Yield)	ASTM D638	kgf/㎠	250
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/㎠	700
TD	ASTM D882	kgf/㎠	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, 20㎛ Thickness, BUR 4, FLH 10

* The last update date : 2021/10/01

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