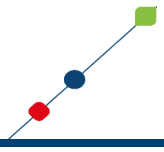
DATASHEET

ASTM Property



LOTTE CHEMICAL

Grade	FL7100U
Product	HDPE

General Information	
Key Features	- FL7100U 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, FL7100U offers excellent processability, bubble stability and superior resistance weatherability.
Applications	- Agricultural Mulching Film, Etc.

Item		Measuring Method	Unit	Value
Physical				
Melt Flow Index		ASTM D1238	g/10min	0.045
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/㎠	670
	TD	ASTM D882	kgf/㎠	630
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