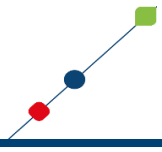
DATASHEET

ASTM Property



LOTTE CHEMICAL

Grade	5000ST
Product	HDPE

General Information

Key Features	5000ST offers good stretching, spinning, high strength property and melting stability
Applications	Flat yarn For Tarpaulin etc.

Item	Measuring Method	Unit	Value
	Physical		
Melt Flow Index	ASTM D1238	g/10min	0.75
Density	ASTM D1505	g/㎤	0.954
	Mechanical		
Tensile Stress (Yield)	ASTM D638	kgf/㎠	260
Tensile Strain (Break)	ASTM D638	%	≥500
Flexural Modulus	ASTM D790	kgf/㎠	9,000
Rockwell Hardness	ASTM D785	R	50
	Impact		
Izod Impact Strength(notched) (23℃)	ASTM D256	kgf·㎝/㎝	17
	Thermal		
VICAT Softening Temperature	ASTM D1525	℃	124

1. Physical Properties : these are not to be construed as specifications
2. ISO 9001, 14001, /TS 16949

* The last update date : 2021/10/01