



Grade	5000ST
Product	HDPE

General Information

Key Features	5000ST offers good stretching, spinning, high strength property and melting stability
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Applications	Flat yarn For Tarpaulin etc.
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Item	Measuring Method	Unit	Value
Physical			
Melt Flow Index	ASTM D1238	g/10min	0.75
Density	ASTM D1505	g/cm ³	0.954
Mechanical			
Tensile Stress (Yield)	ASTM D638	kgf/cm ²	260
Tensile Strain (Break)	ASTM D638	%	≥ 500
Flexural Modulus	ASTM D790	kgf/cm ²	9,000
Rockwell Hardness	ASTM D785	R	50
Impact			
Izod Impact Strength(notched) (23°C)	ASTM D256	kgf·cm/cm	17
Thermal			
VICAT Softening Temperature	ASTM D1525	°C	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