

HIVOREX 5100ST

High Density Polyethylene

Lotte Chemical Corporation

Message:

5000ST is manufactured to be processed in flat yarn for tarpaulin by CSTR Slurry process technology.

5000ST is manufactured by Bi-modal design of molecular composition

5000ST offers good stretching, spinning, high strength property and melting stability.

General Information			
Additive	Antioxidant		
Features	Antioxidant		
	High Melt Stability		
	High Strength		
Uses	BCF Yarn		
Processing Method	Fiber (Spinning) Extrusion		
Physical	Nominal Value	Unit	Test Method
Density	0.954	g/cm ³	ASTM D1505
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	0.75	g/10 min	ASTM D1238
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	50		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Break)	29.4	MPa	ASTM D638
Tensile Elongation (Break)	> 500	%	ASTM D638
Flexural Modulus	883	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	170	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature	124	°C	ASTM D1525

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