

# HIVOREX 5200SU

High Density Polyethylene  
Lotte Chemical Corporation

Message:

5200SU is manufactured to be processed in monofilament and flat yarn for tarpaulin by CSTR Slurry process technology.  
5200SU offers high strength, good melting stability, good spinning, good stretching and excellent processability.

General Information			
Additive	Antioxidant		
	UV Stabilizer		
Features	Antioxidant		
	Good Processability		
	High Melt Stability		
	High Strength		
Uses	BCF Yarn		
	Monofilaments		
	Netting		
	Rope		
Processing Method	Fiber (Spinning) Extrusion		
Physical	Nominal Value	Unit	Test Method
Density	0.954	g/cm <sup>3</sup>	ASTM D1505
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	1.1	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)	30.4	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)	180	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature	124	°C	ASTM D1525

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