

HI-ZEX™ 5000SR

High Density Polyethylene

Prime Polymer Co., Ltd.

Message:

HI-ZEX™ 5000SR is a High Density Polyethylene product. It can be processed by extrusion and is available in Asia Pacific, Europe, or North America. Applications of HI-ZEX™ 5000SR include adhesives/tapes and fabrics/fibers. Characteristics include:
Good Processability
Good Weather Resistance
High Strength

General Information			
Features	Good Processability		
	Good Weather Resistance		
	High Strength		
Uses	Netting		
	Tape		
	Textile Applications		
Processing Method	Extrusion		
Physical	Nominal Value	Unit	Test Method
Density	0.955	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	0.37	g/10 min	ISO 1133
Environmental Stress-Cracking Resistance	150	hr	ASTM D1693
Hardness	Nominal Value	Unit	Test Method
Shore Hardness (Shore D, Compression Molded)	64		ISO 868
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus (Compression Molded)	1200	MPa	ISO 527-2
Tensile Stress (Yield, Compression Molded)	26.0	MPa	ISO 527-2
Tensile Strain (Break, Compression Molded)	> 500	%	ISO 527-2
Flexural Modulus (Compression Molded)	1300	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Unnotched Impact Strength	12	kJ/m ²	ISO 179
Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature	124	°C	ISO 306
Melting Temperature	132	°C	ISO 11357-3

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