

POLYCOMPO PE 5000S

High Density Polyethylene

POLYCOMPO Co.,Ltd.

Message:

POLYCOMPO PE 5000S is a High Density Polyethylene product. It can be processed by extrusion and is available in Asia Pacific. Applications of POLYCOMPO PE 5000S include adhesives/tapes and straps/ropes.

General Information			
Uses	Netting		
	Rope		
	Tape		
Forms	Pellets		
Processing Method	Extrusion		
Physical	Nominal Value	Unit	Test Method
Density	0.950	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR)	0.82	g/10 min	ISO 1133
Environmental Stress-Cracking Resistance (Compression Molded)	30.0	hr	ASTM D1693
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D, Compression Molded)	63		ASTM D2240, ISO 868
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress			ISO 527-2
Yield, Compression Molded	27.0	MPa	
Break, Compression Molded	15.0	MPa	
Tensile Strain (Break, Compression Molded)	450	%	ISO 527-2
Flexural Modulus (Compression Molded)	1200	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength	14	kJ/m ²	ISO 179
Thermal	Nominal Value	Unit	Test Method
Brittleness Temperature	-60.0	°C	ASTM D746A, ISO 974
Vicat Softening Temperature	123	°C	ASTM D1525, ISO 306
Peak Crystallization Temperature (DSC)	131	°C	ASTM D3418, ISO 3146

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