

POLYCOMPO PE 5305E

High Density Polyethylene

POLYCOMPO Co.,Ltd.

Message:

POLYCOMPO PE 5305E is a High Density Polyethylene product. It can be processed by extrusion and is available in Asia Pacific. Typical application: Wire & Cable. Primary characteristic: chemical resistant.

General Information			
Features	Good Chemical Resistance		
Uses	Wire & Cable Applications		
	Wire Jacketing		
Forms	Pellets		
Processing Method	Extrusion		
Physical	Nominal Value	Unit	Test Method
Density	0.951	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR)	0.80	g/10 min	ISO 1133
Environmental Stress-Cracking Resistance (Compression Molded)	600	hr	ASTM D1693
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D, Compression Molded)	62		ASTM D2240, ISO 868
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress			ISO 527-2
Yield, Compression Molded	24.0	MPa	
Break, Compression Molded	14.0	MPa	
Tensile Strain (Break, Compression Molded)	440	%	ISO 527-2
Flexural Modulus (Compression Molded)	950	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength	6.0	kJ/m ²	ISO 179
Thermal	Nominal Value	Unit	Test Method
Brittleness Temperature	-60.0	°C	ASTM D746A, ISO 974
Vicat Softening Temperature	122	°C	ASTM D1525, ISO 306
Peak Crystallization Temperature (DSC)	130	°C	ASTM D3418, ISO 3146

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