POLYCOMPO PE 5000H

High Density Polyethylene

POLYCOMPO Co.,Ltd.

Message:

POLYCOMPO PE 5000H is a High Density Polyethylene product. It can be processed by extrusion and is available in Asia Pacific. Typical application: Industrial Applications. Primary characteristic: rigid.

General Information			
Features	Medium Rigidity		
Uses	Industrial Applications		
Forms	Pellets		
Processing Method	Extrusion		
Physical	**Nominal Value**	**Unit**	**Test Method**
Density	0.958	g/cm³	ISO 1183
Melt Mass-Flow Rate (MFR)	0.10	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)	64		ASTM D2240, ISO 868
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Stress			ISO 527-2
Yield, Compression Molded	29.0	MPa	
Break, Compression Molded	22.0	MPa	
Tensile Strain (Break, Compression Molded)	500	%	ISO 527-2
Flexural Modulus (Compression Molded)	1300	MPa	ISO 178
Impact	**Nominal Value**	**Unit**	**Test Method**
Charpy Notched Impact Strength	9.4	kJ/m²	ISO 179
Thermal	**Nominal Value**	**Unit**	**Test Method**
Brittleness Temperature	-60.0	°C	ASTM D746A, ISO 974
Vicat Softening Temperature	125	°C	ASTM D1525, ISO 306
Peak Crystallization Temperature (DSC)	132	°C	ASTM D3418, ISO 3146

Recommended distributors for this material

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