POLYCOMPO PE 5100B

High Density Polyethylene

POLYCOMPO Co.,Ltd.

Message:

POLYCOMPO PE 5100B is a High Density Polyethylene product. It can be processed by blow molding and is available in Asia Pacific. Typical application: Containers. Primary characteristic: bacteria resistant.

General Information			
Features	Bacteria Resistant		
Uses	Containers		
Forms	Pellets		
Processing Method	Blow Molding		
Physical	**Nominal Value**	**Unit**	**Test Method**
Density	0.944	g/cm³	ISO 1183
Melt Mass-Flow Rate (MFR)	0.27	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)	61		ASTM D2240, ISO 868
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Stress			ISO 527-2
Yield, Compression Molded	21.0	MPa	
Break, Compression Molded	17.0	MPa	
Tensile Strain (Break, Compression Molded)	500	%	ISO 527-2
Flexural Modulus (Compression Molded)	850	MPa	ISO 178
Impact	**Nominal Value**	**Unit**	**Test Method**
Charpy Notched Impact Strength	13	kJ/m²	ISO 179
Thermal	**Nominal Value**	**Unit**	**Test Method**
Brittleness Temperature	-60.0	°C	ASTM D746A, ISO 974
Vicat Softening Temperature	119	°C	ASTM D1525, ISO 306
Peak Crystallization Temperature (DSC)	126	°C	ASTM D3418, ISO 3146

Recommended distributors for this material

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