

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/cm ³	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/m ²	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

The information and data on this page are provided by manufacturers and document providers. SHANGHAI SUSHENG assumes no legal liability. It is strongly recommended to verify all technical data with material suppliers before final material selection.All rights belong to the original authors. If any infringement occurs, please contact us immediately.

Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China

