

POLYCOMPO PE 45200

Linear Low Density Polyethylene

POLYCOMPO Co.,Ltd.

Message:

POLYCOMPO PE 45200 is a Linear Low Density Polyethylene product. It can be processed by injection molding and is available in Asia Pacific. Typical application: Caps/Lids/Closures. Primary characteristic: rigid.

General Information			
Features	Good Flow		
	Medium Rigidity		
Uses	Caps		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	0.943	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR)	20	g/10 min	ISO 1133
Environmental Stress-Cracking Resistance (Injection Molded)	7.00	hr	ASTM D1693
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D, Injection Molded)	60		ASTM D2240, ISO 868
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress			ISO 527-2
Yield, Injection Molded	20.0	MPa	
Break, Injection Molded	12.0	MPa	
Tensile Strain (Break, Injection Molded)	290	%	ISO 527-2
Flexural Modulus (Injection Molded)	650	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength	4.8	kJ/m ²	ISO 179
Thermal	Nominal Value	Unit	Test Method
Brittleness Temperature	-60.0	°C	ASTM D746A, ISO 974
Vicat Softening Temperature	118	°C	ASTM D1525, ISO 306
Peak Crystallization Temperature (DSC)	126	°C	ASTM D3418, ISO 3146

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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

