

# POLYCOMPO PE 2100J

High Density Polyethylene

POLYCOMPO Co.,Ltd.

Message:

POLYCOMPO PE 2100J is a High Density Polyethylene product. It can be processed by injection molding and is available in Asia Pacific. Applications of POLYCOMPO PE 2100J include caps/lids/closures and industrial applications.

General Information			
Features	Good Strength		
Uses	Caps		
	Industrial Applications		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	0.953	g/cm <sup>3</sup>	ISO 1183
Melt Mass-Flow Rate (MFR)	5.8	g/10 min	ISO 1133
Environmental Stress-Cracking Resistance (Injection Molded)	8.00	hr	ASTM D1693
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D, Injection Molded)	63		ASTM D2240, ISO 868
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress			ISO 527-2
Yield, Injection Molded	21.0	MPa	
Break, Injection Molded	13.0	MPa	
Tensile Strain (Break, Injection Molded)	370	%	ISO 527-2
Flexural Modulus (Injection Molded)	860	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength	4.2	kJ/m <sup>2</sup>	ISO 179
Thermal	Nominal Value	Unit	Test Method
Brittleness Temperature	-60.0	°C	ASTM D746A, ISO 974
Vicat Softening Temperature	121	°C	ASTM D1525, ISO 306
Peak Crystallization Temperature (DSC)	131	°C	ASTM D3418, ISO 3146

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