

Prime Polypro™ J-2003GP

Polypropylene Homopolymer

Prime Polymer Co., Ltd.

Message:

Prime Polypro™ J-2003GP is a Polypropylene Homopolymer (PP Homopolymer) product. It can be processed by injection molding and is available in Asia Pacific, Europe, or North America. Primary characteristic: homopolymer.

General Information			
Features	Homopolymer		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	0.900	g/cm³	ISO 1183
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	21	g/10 min	ISO 1133
Molding Shrinkage	1.4 to 1.8	%	Internal Method
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	106		ISO 2039-2
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	1800	MPa	ISO 527-2
Tensile Stress (Yield)	39.0	MPa	ISO 527-2
Tensile Strain (Break)	37	%	ISO 527-2
Nominal Tensile Strain at Break	10	%	ISO 527-2
Flexural Modulus	1900	MPa	ISO 178
Flexural Stress	52.0	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Unnotched Impact Strength (23°C)	3.1	kJ/m²	ISO 179
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (0.45 MPa, Unannealed)	117	°C	ISO 75-2/B
Optical	Nominal Value		Test Method
Gloss	80		ASTM D2457

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