

Prime Polypro™ J-452HP

Polypropylene Copolymer

Prime Polymer Co., Ltd.

Message:

Prime Polypro™ J-452HP is a Polypropylene Copolymer (PP Copolymer) product. It can be processed by injection molding and is available in Asia Pacific, Europe, or North America.

Characteristics include:

Copolymer

Good Weather Resistance

Impact Resistant

General Information			
Features	Block Copolymer		
	Good Weather Resistance		
	High Impact Resistance		
Agency Ratings	JHOSPA Unspecified Rating [A]PZar-1487-L		
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)	3.5	g/10 min	ISO 1133
Molding Shrinkage	1.4 to 1.8	%	Internal Method
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness	70		ISO 2039-2
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	1000	MPa	ISO 527-2
Tensile Stress (Yield)	24.0	MPa	ISO 527-2
Tensile Strain (Break)	> 430	%	ISO 527-2
Flexural Modulus	1050	MPa	ISO 178
Flexural Stress	29.0	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Unnotched Impact Strength			ISO 179
-20°C	4.2	kJ/m²	
23°C	16	kJ/m²	
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (0.45 MPa, Unannealed)	82.0	°C	ISO 75-2/B
Optical	Nominal Value		Test Method
Gloss	55		JIS Z8741

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