

Moplen HP602N

Polypropylene Homopolymer

PolyMirae

Message:

Moplen HP602N is a polypropylene homopolymer manufactured using the Spheripol process. It is known for its optimized balance of stiffness and toughness, and is particularly suitable for injection molding. Potential end use applications include housewares, toys, closures and other packaging items.

General Information			
Features	Low warpage		
	Rigid, good		
	Highlight		
	Homopolymer		
	Workability, good		
	Good processing stability		
	Good color stability		
	Good toughness		
	Excellent appearance		
Uses	Packaging		
	Shield		
	Household goods		
	Container		
	Sporting goods		
	Shell		
	Toys		
Forms	Particle		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Density	0.900	g/cm ³	ASTM D1505
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	12	g/10 min	ASTM D1238
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	104		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	34.3	MPa	ASTM D638
Tensile Elongation (Yield)	12	%	ASTM D638
Flexural Modulus	1570	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	29	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method

Deflection Temperature Under Load (0.45
MPa, Unannealed)

107

°C

ASTM D648

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