



Moplen HP602N

Polypropylene, Homopolymer

Product Description

Moplen HP602N is a polyproylene 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.

Product Characteristics

Test Method used ASTM

Processing Methods Injection Molding

Features Good Color Stability, High Gloss , Homopolymer, Good Processability, Good Processing Stability, Good Stiffness

, Good Surface Finish, Good Toughness, Low Warpage

Typical Customer Applications Caps & Closures, Housewares, Opaque Containers,

Sports, Leisure and Toys

Typical Properties	Method	Value	Unit
Physical			
Melt Flow Rate (230°C/2.16kg)	ASTM D 1238	12	g/10 min
Note: ASTM D1238L			
Density	ASTM D 1505	0.9	g/cm³
Mechanical			
Flexural Modulus	ASTM D 790	16000	kg/cm²
Tensile Strength @ Yield	ASTM D 638	350	kg/cm²
Tensile Elongation @ Yield	ASTM D 638	12	%
Impact			
Notched Izod Impact (23 °C)	ASTM D 256	3	kg-cm/cm
Hardness			
Rockwell Hardness (R-Scale)	ASTM D 785	104	
Thermal			
Heat deflection temperature at 0.46 N/mm2	ASTM D 648	107	°C