



Moplen HP602N

Polypropylene, Homopolymer

Product Description

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.

Product Characteristics

Status	Commercial: Active
Test Method used	ASTM
Availability	Asia-Pacific, Australia/NZ, Africa-Middle East
Processing Method	Injection Moulding

Features High Gloss , Homopolymer, Good Processability, Good Stiffness , Good Surface Finish, Good Toughness, Low Warpage, Good Colour Stability, Good Processing Stability

Typical Customer Applications Caps & Closures, Sports, Leisure and Toys, Housewares, Opaque Containers

Typical Properties	Method	Value	Unit
Physical			
Melt flow rate (230°C/2.16kg) <i>Note: ASTM D1238L</i>	ASTM D 1238	12	g/10 min
Density	ASTM D 1505	0.9	g/cm ³
Mechanical			
Tensile Strength @ Yield	ASTM D 638	350	kg/cm ²
Flexural Modulus	ASTM D 790	16000	kg/cm ²
Tensile Elongation @ Yld	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/mm ²	ASTM D 648	107	°C

Notes

Typical properties; not to be construed as specifications.

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Unless specifically indicated, the grades mentioned are not suitable for applications in the pharmaceutical/medical sector.

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