



Moplen HP600R

Polypropylene, Homopolymer

Product Description

Moplen HP600R is a polypropylene homopolymer manufactured using the Spheripol process. It is particularly suitable for injection molding. Potential end use applications include food container and other general housewares

Product Characteristics

Status	Commercial: Active
Test Method used	ASTM
Availability	Asia-Pacific, Africa-Middle East, Latin America
Processing Methods	Injection Molding
Features	High Gloss , Homopolymer, Good Processability, Good Surface Finish
Typical Customer Applications	Housewares, Opaque Containers

Typical Properties	Method	Value	Unit
Physical			
Melt Flow Rate (230°C/2.16kg) <i>Note: ASTM D1238L</i>	ASTM D 1238	25	g/10 min
Density	ASTM D 1505	0.90	g/cm ³
Mechanical			
Flexural Modulus	ASTM D 790	17000	kg/cm ²
Tensile Strength @ Yield	ASTM D 638	370	kg/cm ²
Tensile Elongation @ Yield	ASTM D 638	10	%
Impact			
Notched Izod Impact (23 °C)	ASTM D 256	2.5	kg-cm/cm
Hardness			
Rockwell Hardness (R-Scale)	ASTM D 785	110	
Thermal			
Heat deflection temperature at 0.46 N/mm ²	ASTM D 648	115	°C

Notes

Typical properties; not to be construed as specifications.