



Moplen HP640R

Polypropylene, Homopolymer

Product Description

Moplen HP640R is a polypropylene homopolymer manufactured using the Spheripol process. It is particularly suitable for thin wall injection molding, with potential end use applications in housewares, rigid food packaging and closures.

Product Characteristics

Status	Commercial: Active
Test Method used	ASTM
Availability	Asia-Pacific, Australia/NZ, Africa-Middle East
Processing Methods	Injection Molding
Features	Fast Cycle (Production) , Good Flow, High Gloss , Homopolymer, Good Processability, High Stiffness
Typical Customer Applications	Caps & Closures, Clear Containers, Housewares, Opaque Containers

Typical Properties	Method	Value	Unit
Physical			
Melt Flow Rate (230°C/2.16kg) <i>Note: ASTM D1238L</i>	ASTM D 1238	24	g/10 min
Density	ASTM D 1505	0.9	g/cm ³
Mechanical			
Flexural Modulus	ASTM D 790	19000	kg/cm ²
Tensile Strength @ Yield	ASTM D 638	380	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	122	°C

Notes

Typical properties; not to be construed as specifications.