



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 Method	Injection Molding
Features	Fast Cycle (Production) , Good Flow, High Gloss , Homopolymer, Good Processability, High Stiffness
Typical Customer Applications	Caps & Closures, Housewares, Clear Containers, Opaque Containers

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

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- 1 Equistar Chemicals, LP
- 1 Basell Sales & Marketing Company B.V.
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Users should review the applicable Material Safety Data Sheet before handling the product.

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