



Moplen HP748L

Polypropylene, Homopolymer

Product Description

Moplen HP748L is a high crystallinity polypropylene homopolymer manufactured using the Spheripol process. It has very high stiffness, high gloss and good thermal stability. Typical application includes electrical appliances, food packaging.

Product Characteristics

Status	Commercial: Active
Test Method used	ASTM
Availability	Asia-Pacific, Australia/NZ, Africa-Middle East
Processing Method	Injection Molding
Features	High Gloss , Homopolymer, Good Thermal Stability, High Stiffness
Typical Customer Applications	Cooling, Housewares, Dishwashing, Washing, Opaque Containers

Typical Properties	Method	Value Unit
Physical		
Melt flow rate (230°C/2.16kg)	ASTM D 1238	6 g/10 min
<i>Note: ASTM D1238L</i>		
Density	ASTM D 1505	0.9 g/cm ³
Mechanical		
Tensile Strength @ Yield	ASTM D 638	410 kg/cm ²
Flexural Modulus	ASTM D 790	21000 kg/cm ²
Tensile Elongation @ Yld	ASTM D 638	8 %
Impact		
Notched izod impact (23 °C)	ASTM D 256	5.0 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	140 °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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