



Moplen HP480S

Polypropylene, Homopolymer

Product Description

Moplen HP480S is a polypropylene homopolymer manufactured using the Spheripol process. Typical applications include CD and DVD Casings, houseware, containers, and other thin wall injection moulded articles.

Product Characteristics

Status	Commercial: Active
Test Method used	ASTM
Availability	Asia-Pacific, Australia/NZ, Africa-Middle East
Processing Methods	Injection Molding
Features	Homopolymer, Good Impact Resistance , Good Processability, Good Stiffness
Typical Customer Applications	Housewares, Multi Media Packaging, Opaque Containers

Typical Properties	Method	Value	Unit
Physical			
Density -Specific Gravity	ASTM D 792	0.9	g/cm ³
Melt Flow Rate (230°C/2.16kg)	ASTM D 1238	40	g/10 min
<i>Note: ASTM D1238L</i>			
Mechanical			
Flexural Modulus	ASTM D 790	15000	kg/cm ²
Tensile Strength @ Yield	ASTM D 638	350	kg/cm ²
Tensile Elongation @ Yield	ASTM D 638	10	%
Impact			
Notched Izod Impact (23 °C)	ASTM D 256	2	kg-cm/cm
Thermal			
Heat deflection temperature at 0.46 N/mm ²	ASTM D 648	110	°C

Notes

Typical properties; not to be construed as specifications.