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# Moplen HP480S

## Polypropylene, Homopolymer

#### **Product Description**

Moplen HP480S is a polypropylene hompolymer 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/cm³
Melt Flow Rate (230°C/2.16kg)	ASTM D 1238	40	g/10 min
Note: ASTM D1238L			
Mechanical			
Flexural Modulus	ASTM D 790	15000	kg/cm²
Tensile Strength @ Yield	ASTM D 638	350	kg/cm²
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/mm2	ASTM D 648	110	°C

## Notes

Typical properties; not to be construed as specifications.