

## Technical Data Sheet

### *Moplen* HP480S



Polypropylene, Homopolymer

#### Product Description

*Moplen* HP480S is a polypropylene homopolymer with good flowability, good dimensional stability, good impact and stiffness balance and good surface finish. Typical applications include CD and DVD Casings, houseware, containers, toys, and thin wall injection moulded articles.

<b>Application</b>	Housewares; Multi Media Packaging; Opaque Containers
<b>Market</b>	Consumer Products; Rigid Packaging
<b>Processing Method</b>	Injection Molding
<b>Attribute</b>	Good Impact Resistance; Good Processability; Good Stiffness; Homopolymer

Typical Properties	Nominal Value	Units	Test Method
<b>Physical</b>			
Melt Flow Rate, (230 °C/2.16 kg)	40	g/10 min	ASTM D1238
Density	0.90	g/cm <sup>3</sup>	ASTM D792
<b>Mechanical</b>			
Flexural Modulus	1500	MPa	ASTM D790
Tensile Strength at Yield	35	MPa	ASTM D638
Tensile Elongation at Yield	10	%	ASTM D638
<b>Impact</b>			
Notched Izod Impact Strength, (23 °C)	20	J/m	ASTM D256
<b>Thermal</b>			
Deflection Temperature Under Load, (0.46 N/mm <sup>2</sup> )	110	°C	ASTM D648