

## Technical Data Sheet

### Moplen HP740T



Polypropylene, Homopolymer

#### Product Description

Moplen HP740T is a polypropylene homopolymer with outstanding flowability, excellent transparency, high gloss, and high stiffness. Typical customer applications are rigid packaging, thin wall injection molding (TWIM) of food trays, drinking cups, plastic files, DVD casing.

Application	Clear Containers; Housewares; Opaque Containers
Market	Consumer Products; Rigid Packaging
Processing Method	Injection Molding
Attribute	Fast Cycle (Production); High Clarity; High Flow; High Gloss; High Stiffness; Homopolymer

Typical Properties	Nominal Value	Units	Test Method
<b>Physical</b>			
Melt Flow Rate, (230 °C/2.16 kg)	60	g/10 min	ASTM D1238
Density	0.90	g/cm <sup>3</sup>	ASTM D792
<b>Mechanical</b>			
Flexural Modulus	1800	MPa	ASTM D790
Tensile Strength at Yield	37	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>Hardness</b>			
Rockwell Hardness, (R-Scale)	105		ASTM D785
<b>Thermal</b>			
Deflection Temperature Under Load, (0.46 N/mm <sup>2</sup> )	125	°C	ASTM D648