

## Technical Data Sheet

### *Moplen* HP544T



Polypropylene, Homopolymer

#### Product Description

*Moplen* HP544T is a polypropylene resin with high fluidity, excellent dimensional stability, low mold in stress, low odor. Typical customer applications are thin wall injection molding (TWIM) food containers, drinking cups, cylinders, and other thin complex parts.

<b>Application</b>	Housewares
<b>Market</b>	Consumer Products; Rigid Packaging
<b>Processing Method</b>	Injection Molding
<b>Attribute</b>	Good Dimensional Stability; Good Processability; Low to No Odor

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	1700	MPa	ASTM D790
Tensile Strength at Yield	37	MPa	ASTM D638
Tensile Elongation at Yield	9	%	ASTM D638
<b>Impact</b>			
Notched Izod Impact Strength, (23 °C)	26	J/m	ASTM D256
<b>Thermal</b>			
Deflection Temperature Under Load	119	°C	ASTM D648