

# SÉETEC MH1850

Metallocene PP Homopolymer

## Applications

- Disposable food container(thin wall injection molding)
- Compounding base resin(for automotive part with low TVOC)
- Housewares

## Description

- MH1850 is a metallocene-catalyzed polypropylene homopolymer manufactured by LG Chem's unique catalyst technology for thin wall injection molding. The material contains a nucleating agent for fast cycle time and excellent stiffness. MH1850 has less warpage and outstanding organoleptic property (very low VOCs).

## Typical properties

Characteristics	Test Method	Unit	Value
<b>Physical<sup>(1)</sup></b>			
Density	ASTM D1505	g/cm <sup>3</sup>	0.9
MFR(230 °C, 2.16 Kg)	ASTM D1238	g/10min	60
<b>Mechanical<sup>(2)</sup></b>			
Tensile Strength at yield	ASTM D638	Mpa	38
Elongation at Break	ASTM D638	%	>100
Flexural Modulus	ASTM D790	Mpa	2,000
Izod impact strength (23 °C, notched)	ASTM D256	kJ/m <sup>2</sup>	3
<b>Thermal</b>			
Melting temperature (DSC)	-	°C	153
Heat deflection temperature (0.45 MPa)	ASTM D648	°C	130

(1) The properties data in this table are typical values, and not guaranteed specification.

(2) Typical resin property values are measured on a standard compression molded specimens