

## **SÉETEC MH1850**

**Metallocene PP Homopolymer** 

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## **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
Physical <sup>(1)</sup>			
Density	ASTM D1505	g/cm³	0.9
MFR(230 °C, 2.16 Kg)	ASTM D1238	g/10min	60
Mechanical <sup>(2)</sup>			
Tensile Strength at yield	ASTM D638	Мра	38
Elongation at Break	ASTM D638	%	>100
Flexural Modulus	ASTM D790	Мра	2,000
Izod impact strength (23 ℃, notched)	ASTM D256	kJ/m²	3
Thermal			
Melting temperature (DSC)	-	$^{\circ}\!\mathbb{C}$	153
Heat deflection temperature (0.45 MPa)	ASTM D648	$^{\circ}$	130

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

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<sup>(2)</sup> Typical resin property values are measured on a standard compression molded specimens