

LUCENE MH1850

Metallocene PP Homopolymer

Applications

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

Description

- LUCENE 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. LUCENE MH1850 has less warpage and outstanding organoleptic property (very low VOCs).

Typical properties

Characteristics	Test Method	Unit	Value
Physical⁽¹⁾			
Density	ASTM D1505	g/cm ³	0.9
MFR(230°C, 2.16 Kg)	ASTM D1238	g/10min	60
Mechanical⁽²⁾			
Tensile Strength at yield	ASTM D638 ⁽³⁾	MPa	38
Tensile Modulus	ASTM D638 ⁽³⁾	MPa	1,900
Elongation at Break	ASTM D638 ⁽³⁾	%	< 100
Flexural Modulus	ASTM D790 ⁽⁴⁾	MPa	2,000
Izod impact strength (23°C, notched)	ASTM D256	kg-cm/cm	3.0
Thermal			
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

(3) Speed of 50 mm/min.

(4) Speed of 28 mm/min.

The actual processing conditions of our products may vary and are beyond our control, establishing satisfactory performance of the resin for the intended application is the customer's responsibility.

For additional sales, order and technical assistance

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