

PP M1850

PP Block copolymer

Applications

- Yogurt Container(Thin Wall Container), Large food container

Description

- PP **M1850** is a polypropylene block copolymer for thin wall injection molding application showing an excellent flow property, high stiffness and good impact resistance. The material is nucleated with Nucleation Technology for cycle time reduction and has good antistatic property for mould release. This grade meets the FDA requirement in the code of Federal Regulations in 21CFR177.1520 for food contact.

Typical properties

Characteristics ⁽¹⁾	Test Method	Unit	Value
Physical			
Density	ASTM D1505	g/cm ³	0.9
MFR(230 °C, 2.16Kg)	ASTM D1238	g/10min	70
Mechanical⁽²⁾			
Tensile Strength at Yield ⁽³⁾	ASTM D638 ⁽³⁾	MPa	26
Elongation at Break ⁽³⁾	ASTM D638 ⁽³⁾	%	<100
Flexural Modulus ⁽⁴⁾	ASTM D790 ⁽⁴⁾	MPa	1600
Izod Impact Strength (Notched, 23 °C)	ASTM D256	J/m	53
Izod Impact Strength (Notched, -20 °C)			34
Hardness(R-scale)	ASTM D785	-	95
Thermal			
Vicat Softening point (1kgf)	ASTM D1525	°C	151
Heat Deflection Temperature (4.6kgf/cm ²)	ASTM D648	°C	120

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

(2) Typical resin property values are measured on a standard injection 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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Head office PO Division, LG Chem Ltd.

Yeouido P.O.Box 672, 21st floor LG Twin Tower,

Yeouidaero 128, Yeongdeungpo-gu Seoul, Korea.

Tel. 82-2-3773-3617 Email : cuyahogas@lgchem.com

TS&D

TECH Center . Polyolefin

211, Hwangsae-ro, Osan-si, Gyeonggi-do, Korea (18126)

Tel. 82-31-5187-0214

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