

M1850

Description

Polypropylene block copolymer for thin wall injection molding

Excellent flowability, high stiffness and good impact resistance

The material is nucleated with Nucleation Technology for cycle time reduction and have good antistatic property for mould release

Complies with FDA Regulations 21 CFR177.1520 for food contact

Application

Yogurt Container(Thin Wall Container), Large food container

Properties	Method	Condition	Unit	M1850
Physical				
MFI	ASTM D1238	230°C, 2.16kg load	g/10min	70
Density	ASTM D1505	Density-Gradient	g/cm ³	0.9
Mechanical				
Tensile Strength at yield point(kgf/cm ²)	ASTM D638	50mm/min	kgf/cm ²	260
Elongation at Break Point	ASTM D638	50mm/min	%	<100
Flexural Modulus(kgf/cm ²)	ASTM D790	Press sheet, 1% Secant	kgf/cm ²	16500
Izod Impact Strength(kgf-cm/cm)	ASTM D256	23°C, Notched	kgf-cm/cm	5.5
Izod Impact Strength(kgf-cm/cm)	ASTM D256	-20°C, Notched	kgf-cm/cm	3.5
Rockwell Hardness(R-Scale)	ASTM D785	R-Scale		95
Thermal				
Vicat Softening Temperature	ASTM D1525	A50	°C	151
Heat Deflection Temperature	ASTM D648	4.6kgf/cm ²	°C	120

Note

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

Typical resin property values are measured on a standard injection molded specimens.

Issued Date : 2022-02-11

The information contained herein, including, but not limited to, data, statements and typical values, are given in good faith. LG Chem makes no warranty or guarantee, expressed or implied, (i) that the result described herein will be obtained under end - use conditions, or (ii) as to the effectiveness or safety of any design incorporating LG Chem materials, products, recommendations or advice. Further, any information contained herein shall not be construed as a part of legally binding offer. Especially, the typical values should be regarded as reference values only and not as binding minimum values. Each user bear full responsibility for making its own determination as to the suitability of LG Chem's materials, products, recommendations, or advice for its own particular use. Each user must identify and perform all tests and analyses necessary to assure that its finished parts incorporating LG Chem material or products will be safe and suitable for use under end - use conditions. The data contained herein can be changed without notice as a result of the quality improvement of the products.