SÉETEC M1850

LG Chem

PP Block copolymer

Applications

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

Description

- SÉETEC M1850 is a polypropylene block copolymer for thin wall injection molding application showing a excellent flow property, 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. This grade meets the FDA requirement in the code of Federal Regulations in 21CFR177.1520 for food contact.

Typical properties

Characteristics	Test Method	Unit	Value
Physical(1)			
Density	ASTM D1505	g/㎤	**0.9**
MFR(230℃,2.16Kg)	ASTM D1238	g/10min	**70**
Mechanical(2)			
Tensile Strength at Yield	ASTM D638(3)	Mpa	**26**
Elongation at Break	ASTM D638(3)	%	**<100**
Flexural Modulus	ASTM D790(4)	Mpa	**1600**
Izod Impact Strength (Notched, 23℃)	ASTM D256	J/m	**53**
Izod Impact Strength (Notched, -20℃)			**34**
Hardness(R-scale)	ASTM D785	-	**95**
Thermal			
Vicat Softening point (1kgf)	ASTM D1525	℃	**151**
Heat Deflection Temperature (4.6kgf/cm^2)	ASTM D648	℃	**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 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.

Processing Guide

Following moulding parameters should be used as guideline.

Processing Factors	Unit	Recommended Values
Injection Temperature	℃	210 ~ 250
Mold Temperature	℃	20 ~ 60
Injection Pressure	Kg/cm^2	500 ~ 1,500
Holding Pressure	Kg/cm^2	300 ~ 1,000 (Half of the Injection Pressure)
Cooling Time	sec	5 ~ 60

The recommend values is a general for injection molding. It depends on the machine type, mold design and part size.

For additional sales, order and technical assistance

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