

# SEETEC PP M1850

LG Chem Ltd. - Polypropylene Copolymer

Friday, March 27, 2026

## General Information

### Product Description

SEETEC 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.

### Applications

Yogurt Container (Thin Wall Container), Large food container

### General

Material Status	• Commercial: Active		
Availability	• Asia Pacific	• Latin America	
	• Europe	• North America	
Additive	• Nucleating Agent		
Features	• Block Copolymer	• Good Flow	
	• Fast Molding Cycle	• Good Impact Resistance	• Nucleated
	• Food Contact Acceptable	• High Stiffness	
Uses	• Containers	• Food Containers	• Thin-walled Containers
Agency Ratings	• FDA 21 CFR 177.1520		
RoHS Compliance	• RoHS Compliant		
Processing Method	• Injection Molding		

## Properties

Physical	Nominal Value	Unit	Test Method
Density	0.900	g/cm <sup>3</sup>	ASTM D1505
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	70	g/10 min	ASTM D1238
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength <sup>1</sup> (Yield)	26.0	MPa	ASTM D638
Tensile Elongation <sup>1</sup> (Break)	< 100	%	ASTM D638
Flexural Modulus <sup>2</sup>	1600	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact			ASTM D256
-20°C	34	J/m	
23°C	53	J/m	
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	95		ASTM D785
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, Unannealed	120	°C	
Vicat Softening Temperature	151	°C	ASTM D1525 <sup>3</sup>

### Notes

<sup>1</sup> 50 mm/min

<sup>2</sup> 28 mm/min