

# POLYPROPYLENE

## MG100

Impact copolymer polypropylene for injection molding application

### Description

MG100 is an impact copolymer polypropylene intended for injection molding application. Product made from this resin exhibits balanced properties of high stiffness and impact strength.

### Application

- Battery case
- Container
- Industrial application
- Electrical appliances

Physical properties	Typical value	Unit	Test method
MFR (230°C/2.16kg)	9	g/10min	ASTM D1238
Density	0.9	g/cm <sup>3</sup>	ASTM D792A
<b>Mechanical properties</b>			
Tensile strength at yield	290	kgf/cm <sup>2</sup>	ASTM D638
Tensile strength at break	180	kgf/cm <sup>2</sup>	ASTM D638
Flexural modulus	15,000	kgf/cm <sup>2</sup>	ASTM D790
Izod impact, Notched (23°C)	10	kgf·cm/cm	ASTM D256
Izod impact, Notched (-20°C)	5	kgf·cm/cm	ASTM D256
Rockwell hardness	96	R-scale	ASTM D785
<b>Thermal properties</b>			
Heat deflection (0.45MPa)	124	°C	ASTM D648
<b>Other</b>			
Flammability	HB		UL94

### Processing conditions

- Injection temperature 190 - 240°C

### Storage and handling

- MG100 should be stored in a dry cool place with adequate ventilation and protected from UV-light at temperature below 50°C

Revised: Nov. / 2022

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#### Disclaimer

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