

# POLYPROPYLENE

## ME100

Impact copolymer polypropylene for injection molding application

### Description

ME100 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
- Houseware
- Plastic furniture

Physical properties	Typical value	Unit	Test method
MFR (230°C/2.16kg)	5.5	g/10min	ASTM D1238
Density	0.9	g/cm <sup>3</sup>	ASTM D792A
<b>Mechanical properties</b>			
Tensile strength at yield	250	kgf/cm <sup>2</sup>	ASTM D638
Tensile strength at break	130	kgf/cm <sup>2</sup>	ASTM D638
Flexural modulus	12,000	kgf/cm <sup>2</sup>	ASTM D790
Izod impact, Notched (23°C)	10	kgf.cm/cm	ASTM D256
Izod impact, Notched (-20°C)	4	kgf.cm/cm	ASTM D256
Rockwell hardness	90	R-scale	ASTM D785
<b>Thermal properties</b>			
Heat deflection (0.45MPa)	106	°C	ASTM D648

### Processing conditions

- Injection temperature 190 - 240°C

### Storage and handling

- ME100 should be stored in a dry cool place with adequate ventilation and protected from UV-light at temperature below 50°C

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#### Head office

192, Baekbeom-ro,  
Mapo-gu, Seoul,  
Republic of Korea

Tel: 82-2-3772-0651  
Fax: 82-2-3772-0913

#### TS&D center

31, Magokjingang 8-ro 1-gil,  
Gangseo-gu, Seoul,  
Republic of Korea

·Tel Injection and compound: 82-2-527-6062  
Yarn, rope and fiber: 82-2-527-6071  
Film: 82-2-527-6073  
·Fax 82-2-527-6094