

POLYPROPYLENE

MG110

Impact copolymer polypropylene for injection molding application

Description

MG110 is an impact copolymer polypropylene intended for injection molding application. Product made from this resin exhibits good impact strength and dimensional stability.

Application

- Battery case
- Houseware
- 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 ³	ASTM D792A
Mechanical properties			
Tensile strength at yield	240	kgf/cm ²	ASTM D638
Tensile strength at break	180	kgf/cm ²	ASTM D638
Flexural modulus	12,000	kgf/cm ²	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
Thermal properties			
Heat deflection (0.45MPa)	106	°C	ASTM D648

Processing conditions

- Injection temperature 190 - 240°C

Storage and handling

- MG110 should be stored in a dry cool place with adequate ventilation and protected from UV-light at temperature below 50°C

Revised: Nov. / 2022

www.S-OIL.com

Disclaimer

1. The above values are for reference only and shall not be construed as specifications.
2. Before using a S-OIL product, users shall review carefully Seller's instructions for the use of such product and make their own independent determination of whether the product is suitable for the intended use and can be used safely and legally. If users fail to comply with Seller's restrictions and instructions for the use of the product or an obligation to notify Seller, if applicable, of each specific application before using such product in certain categories of application, users are solely liable for any injuries or damages resulting from their use of such product and Seller shall have no liability whatsoever.
3. S-OIL makes no warranty, express or implied (including any warranty of merchantability or fitness for a particular purpose) unless agreed otherwise in a contract.
4. The data contained herein can be changed without notice as a result of the quality improvement of the products.

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