

POLYPROPYLENE

HG100

Homopolymer polypropylene for injection molding and compound application

Description

HG100 is a homopolymer polypropylene intended for injection molding and compound application. Product made from this resin exhibits balanced properties of high stiffness and impact strength.

Application

- Toys
- Container
- Houseware
- PP Compound

Physical properties	Typical value	Unit	Test method
MFR (230°C/2.16kg)	11	g/10min	ASTM D1238
Density	0.9	g/cm ³	ASTM D792A
Mechanical properties			
Tensile strength at yield	360	kgf/cm ²	ASTM D638
Flexural modulus	16,000	kgf/cm ²	ASTM D790
Flexural strength	450	kgf/cm ²	ASTM D790
Izod impact, Notched (23°C)	2	kgf.cm/cm	ASTM D256
Rockwell hardness	105	R-scale	ASTM D785
Thermal properties			
Heat deflection (0.45MPa)	113	°C	ASTM D648

Processing conditions

- Injection temperature 190 - 240°C

Storage and handling

- HG100 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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