

POLYPROPYLENE

MG900

Impact copolymer polypropylene for injection molding application

Description

MG900 is a high crystallinity impact copolymer polypropylene intended for injection molding and compound application.

Product made from this resin exhibits high stiffness, high impact strength and high gloss.

Application

- PP Compound
- Electrical appliances
- Industrial application
- Thin-wall container

Physical properties	Typical value	Unit	Test method
MFR (230°C/2.16kg)	10	g/10min	ASTM D1238
Density	0.9	g/cm ³	ASTM D792A
Mechanical properties			
Tensile strength at yield	290	kgf/cm ²	ASTM D638
Tensile strength at break	190	kgf/cm ²	ASTM D638
Flexural modulus	17,000	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	105	R-scale	ASTM D785
Thermal properties			
Heat deflection (0.45MPa)	130	°C	ASTM D648

Processing conditions

- Injection temperature 190 - 240°C

Storage and handling

- MG900 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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