

POLYPROPYLENE

MN100

Impact copolymer polypropylene for injection molding application

Description

MN100 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

- Houseware
- PP Compound
- Industrial application
- Electrical appliances

Physical properties	Typical value	Unit	Test method
MFR (230°C/2.16kg)	24.5	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	170	kgf/cm ²	ASTM D638
Flexural modulus	13,000	kgf/cm ²	ASTM D790
Izod impact, Notched (23°C)	9	kgf·cm/cm	ASTM D256
Izod impact, Notched (-20°C)	5	kgf·cm/cm	ASTM D256
Rockwell hardness	90	R-scale	ASTM D785
Thermal properties			
Heat deflection (0.45MPa)	110	°C	ASTM D648
Other			
Flammability	HB		UL94

Processing conditions

- Injection temperature 190 - 240°C

Storage and handling

- MN100 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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