

POLYPROPYLENE

MT100

Impact Copolymer Polypropylene for Injection molding application

Description

MT100 is a impact copolymer polypropylene intended for industrial application & thin wall application. Injection molding parts made from this resin exhibit good impact, high stiffness and good heat stability.

Application

- Crates
- Thin wall application
- Industrial application
- Electrical appliances

Resin Properties	Typical Value	Unit	Test Method
MFR (230°C/2.16kg)	39	g/10min	ASTM D1238
Density	0.9	g/cm ³	ASTM D792A
Mechanical Properties			
Tensile Strength at Yield	24	MPa	ASTM D638
Tensile Strength at Break	16	MPa	ASTM D638
Flexural Modulus	1,280	MPa	ASTM D790
Izod Impact, Notched (23°C)	9.0	kJ/m ²	ASTM D256
Izod Impact, Notched (-20°C)	5.0	kJ/m ²	ASTM D256
Rockwell Hardness	86	R scale	ASTM D785
Thermal Properties			
Vicat Softening Temperature (10N)	149	°C	ASTM D1525
Heat Deflection (0.45Mpa)	118	°C	ASTM D648
Other			
Shrinkage (MD/TD)	1.4 / 1.6	%	SUMIKA
Flammability	HB		UL94

Processing conditions • Injection Temperature 190 - 230 °C

Storage and Handling • MT100 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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Disclaimer

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