

POLYPROPYLENE

ML100

Impact copolymer polypropylene for injection molding application

Description	ML100 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	<ul style="list-style-type: none"> · Tub of washing machine · Electrical appliances · Container · Food container
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Physical properties	Typical value	Unit	Test method
MFR (230°C/2.16kg)	16	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	180	kgf/cm ²	ASTM D638
Flexural modulus	15,000	kgf/cm ²	ASTM D790
Izod impact, Notched (23°C)	9	kgf·cm/cm	ASTM D256
Izod impact, Notched (-20°C)	4	kgf·cm/cm	ASTM D256
Rockwell hardness	92	R-scale	ASTM D785
Thermal properties			
Heat deflection (0.45MPa)	124	°C	ASTM D648

Processing conditions · Injection temperature 190 - 240°C

Storage and handling · ML100 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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