



ISPLEN® PP 090 G2M

ISPLEN® PP 090 G2M is a polypropylene homopolymer with a very high fluidity intended for injection moulding. It is characterised by good flow properties that facilitates an easy mould filling and short cycle times with big articles. Articles manufactured with this grade have excellent chemical resistance, are easily decorated and can accept different colouring systems.

TYPICAL APPLICATIONS

ISPLEN® PP 090 G2M is widely used for the production of consumer goods such us:

- Food containers.
- Rigid packaging.
- Garden and domestic furniture.
- Pistons for one use syringes, needle covers and other lab equipment.

Recommended melt temperature range from 190 to 250°C. Processing conditions should be optimised for each production line.

PROPERTIES	VALUE	UNIT	TEST METHOD
General			
Melt Flow Rate (230 °C; 2.16 kg)	35	g/10 min	ISO 1133
Density	905	kg/m ³	ISO 1183
Mechanical			
Flexural Modulus	1650	MPa	ISO 178
Charpy Impact Strength Notched 23 °C	2.5	kJ/m ²	ISO 179
Thermal			
Heat Deflection Temperature 0.45MPa	80	°C	ISO 75
Others			
Shore Hardness	72	D Scale	ISO 868

ISPLEN® PP 090 G2M complies with the European Directives regarding materials intended for contact with foodstuffs. For further information, please contact our Technical Service and Development Laboratory or our Customer Care Service.

STORAGE

ISPLEN® PP 090 G2M should be stored in a dry atmosphere, on a paved, drained and not flooded area, at temperatures under 60°C and protected from UV radiation. Storage under inappropriate conditions could initiate degradation processes which may have a negative influence on the processability and the properties of the transformed product.

October 2009

This information is offered in good faith and meant only as a guide. The transformer or user will be, in each case, responsible for the processing conditions and the final use of the product. Freedom under patents, copyright and registered designs cannot be assumed.

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