

Isplen® Polypropylene

Chemicals

Technical data sheet



ISPLEN® PP050G2M

ISPLEN® PP 050 G2M is a polypropylene homopolymer with a medium-low fluidity intended for injection moulding applications that requires good impact resistance balanced with the stiffness of a homopolymer. Articles manufactured with this grade have excellent chemical resistance, are easily decorated and can accept different colouring systems.

TYPICAL APPLICATIONS

ISPLEN® PP050G2M is used for injection moulding consumer goods such as:

- Caps, lids and closures.
- Components for spray dispensers.
- Cool boxes.
- Rigid packaging.

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)	6	g/10 min	ISO 1133
Density	905	kg/m ³	ISO 1183
Mechanical			
Flexural Modulus	1500	MPa	ISO 178
Charpy Impact Strength Notched 23 °C	3.5	kJ/m ²	ISO 179
Thermal			
Heat Deflection Temperature 0.45MPa	82	°C	ISO 75
Others			
Shore Hardness	68	D Scale	ISO 868

ISPLEN® PP050G2M 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® PP050G2M 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.

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