

Isplen® Polypropylene

Chemicals

Technical data sheet



ISPLEN® PP099X2M

ISPLEN® PP099X2M is a very high fluidity homopolymer polypropylene designed for special optical requirements for injection moulding applications achieving very similar optical properties than a PP random. Due to its structure and additive package, ISPLEN® PP 099 X2M offers good transparency, excellent gloss and high stiffness. In addition, the grade shows very low warpage and its excellent processability allows an easy filling of moulds and short cycle times.

APPLICATIONS

- Rigid packaging with very thin walls.
- Video boxes.
- Screw caps and closures.

Recommended melt temperature range from 200 to 250°C. Processing conditions should be optimised for each production line.

PROPERTIES	VALUE	UNIT	METHOD
General			
Melt Flow Rate (230 °C/2.16 kg)	55	g/10 min	ISO 1133
Density at 23°C	905	kg/m ³	ISO 1183
Mechanical			
Flexural modulus of elasticity	1,700	MPa	ISO 178
Charpy impact strength (23°C, notched)	2.5	kJ/m ²	ISO 179
Thermal			
HDT 0.45MPa	95	°C	ISO 75
Others			
Shore Hardness D	75	-	ISO 868

ISPLEN® PP099X2M 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® PP099X2M 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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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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