

Isplen® Polypropylene

Chemicals

Technical data sheet



ISPLEN® PP099K2M

ISPLEN® PP 099 K2M is a high fluidity nucleated polypropylene homopolymer designed for injection moulding applications. It is characterised by its excellent processability which allows for quick, easy filling of moulds and ultra short cycles. Moreover, because of its special crystalline configuration, it has high stiffness and very low warpage. Articles manufactured with this grade have excellent chemical resistance, are easily decorated and can accept different colouring systems.

ISPLEN® PP 099 K2M is formulated with an antistatic additive package to permit the dispersion of static charges accumulated on the article surface avoiding anti-aesthetic dust deposits during storage or exhibition. Additive package also facilitates material processing and makes it easier to extract the pieces from the mould.

TYPICAL APPLICATIONS

ISPLEN® PP 099 K2M is widely used for the production of consumer goods such as:

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

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)	55	g/10 min	ISO 1133
Density	905	kg/m ³	ISO 1183
Mechanical			
Flexural Modulus	1800	MPa	ISO 178
Charpy Impact Strength Notched 23 °C	2.5	kJ/m ²	ISO 179
Thermal			
Heat Deflection Temperature 0.45MPa	97	°C	ISO 75
Others			
Shore Hardness	76	D Scale	ISO 868

ISPLEN® PP 099 K2M 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 099 K2M 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.

November 2013

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.

Technical Service and Development:
Repsol Technology Centre
Ctra. de Extremadura A5, Km 18
28931 Móstoles, Madrid
Tel. +34 91 753 86 00
atd_poliiolefinas@repsol.com

Headquarters:
Méndez Álvaro, 44
28045 Madrid
Spain
www.chemicals.repsol.com

Customer Care:
sacrq@repsol.com