

## Technical data sheet

## Chemicals



# PP REPSOL ISPLEN PP099K2M

REPSOL ISPLEN PP099K2M 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.

It 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.

### Applications

REPSOL ISPLEN PP099K2M is widely used for the production of consumer goods such us:

- 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	MÉTHOD
<b>General</b>			
Melt flow rate (230°C/ 2,16 kg)	55	g/10 min	ISO 1133
Density at 23°C	905	kg/m <sup>3</sup>	ISO 1183
<b>Mechanical</b>			
Flexural modulus of elasticity	1.800	MPa	ISO 178
Charpy impact strength (23°C,notched)	2,5	kJ/m <sup>2</sup>	ISO 179
<b>Thermal</b>			
HDT 0,45 MPa	97	°C	ISO 75
<b>Others</b>			
Shore Hardness	76	-	ISO 868

REPSOL ISPLEN PP099K2M complies with the European Directives regarding materials intended for contact with foodstuffs. The product mentioned herein is not intended to be used for medical, pharmaceutical or healthcare applications and we do not support their use for such applications. For further information, please contact our Technical Service and Development Laboratory or our Customer Care Service.

### Storage

REPSOL ISPLEN PP099K2M 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 or undesired migration of additives included in its formulation which may have a negative influence on the processability and properties of the transformed product.

January 2017