

Technical data sheet

Chemicals



PP REPSOL ISPLEN PP084D2M

REPSOL ISPLEN PP084D2M is a polypropylene homopolymer of high fluidity for injection moulding. It is specifically intended for applications that require end articles with very low surface friction. The grade is characterised by excellent flow properties that facilitates an easy mould filling as well as a quick release from the mould. Articles produced with this grade have good physical properties, excellent chemical resistance and easy printability.

Applications

REPSOL ISPLEN PP084D2M has been specifically designed for the production of articles that need short cycles times, easy handling and low resistance during manipulation in automatic or robotized production lines, such us:

- Caps and closures
- Screw caps
- Components for spray dispensers.
- Pistons for one use syringes, needle covers and other lab equipment (tubes, pipettes...).
- Garden furniture.

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

PROPERTIES	VALUE	UNIT	MÉTHOD
General			
Melt flow rate (230°C/ 2,16 kg)	20	g/10 min	ISO 1133
Density at 23°C	905	kg/m ³	ISO 1183
Mechanical			
Flexural modulus of elasticity	1.600	MPa	ISO 178
Charpy impact strength (23°C,notched)	3	kJ/m ²	ISO 179
Thermal			
HDT 0,45 MPa	85	°C	ISO 75
Others			
Shore Hardness	72	-	ISO 868

REPSOL ISPLEN PP084D2M 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.

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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Storage

REPSOL ISPLEN PP084D2M 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.

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