TECHNICAL DATA SHEET

# Repsol ISPLEN® PP094N2M

REPSOL ISPLEN PP094N2M is a phthalate free polypropylene homopolymer of very high fluidity, intended for injection moulding. It is a nucleated grade and is characterised by good flow properties that facilitate an easy mould filling and short cycle times. Due to the specific crystalline structure, at the same time, it exhibits high stiffness and low warpage. Articles manufactured with this grade have excellent chemical resistance, are easily decorated and can accept different colouring systems.

## Applications:

REPSOL ISPLEN PP094N2M is widely used for the production of consumer goods such as:

- Food containers
- Rigid packaging with very thin walls.
- Toys and small appliances.
- Garden and domestic furniture.

Recommended melting temperature range from 190 to 250ºC. Processing conditions should be optimised for each production line. Physical blends with other materials may cause incompatibilities.

| PROPERTIES | VALUE | UNIT | TEST METHOD |
|---|---|---|---|
| **GENERAL** | | | |
| Melt flow rate (230ºC/ 2,16 kg) | 40 | g/10 min | ISO 1133 |
| Density at 23ºC | 905 | kg/m$^3$ | ISO 1183 |
| **MECHANICAL** | | | |
| Flexural modulus of elasticity | 1.700 | MPa | ISO 178 |
| Charpy impact strength (23ºC, notched) | 2,5 | kJ/m$^2$ | ISO 179 |
| **THERMAL** | | | |
| HDT 0,45 MPa | 95 | ºC | ISO 75 |
| **OTHERS** | | | |
| Shore Hardness | 70 | - | ISO 868 |

## Storage

REPSOL ISPLEN PP094N2M should be stored in a dry atmosphere, on a paved, drained and not flooded area, at temperatures under 60ºC 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.



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 & Development:**
Tel. +34 91 753 86 00
ATD_Polimeros@repsol.com

**Headquarters**
Méndez Álvaro, 44
28045 Madrid
España
www.repsol.com

**Customer Care**
CustomerCare.materials@repsol.com

TECHNICAL DATA SHEET

## Disclaimer

This grade complies with the European regulations for materials for use in food contact. This grade is not intended to be used in medical, pharmaceutical, or healthcare applications, therefore Repsol does not authorize its use in them.

Repsol does not grant express or implicit guarantees that extend beyond the description contained herein. Nothing herein shall constitute any guarantee of merchantability or fitness for a particular purpose. Before using a product sold by Repsol, users must make their own independent determination that the product is safe, legal, and technically suitable for its intended use. Repsol does not assume any responsibility for the use of its materials together with other materials.

## Related documents

The following related documents are available on request, and represent various aspects on the usability and safety of the product:

- Safety data sheet
- Statement on compliance with food contact regulations

**Recommended consumption period:** 12 months from the date of delivery to the customer.

April 2026



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 & Development:**
Tel. +34 91 753 86 00
ATD_Polimeros@repsol.com

**Headquarters**
Méndez Álvaro, 44
28045 Madrid
España
www.repsol.com

**Customer Care**
CustomerCare.materials@repsol.com