TECHNICAL DATA SHEET

Repsol Isplen® PR595C2M

REPSOL ISPLEN PR595C2M is a phthalate free polypropylene random copolymer with high fluidity, intended for injection moulding. It is characterised by its high transparency and good organoleptic properties. Moulds are easily filled with this grade permitting short cycle times. The resin exhibits an excellent balance of properties: transparency, stiffness, impact resistance and organoleptic properties.

It is clarified and contains antistatic additives that reduce the presence of dust during storage. These additives also facilitate article release from the mould.

Applications:

REPSOL ISPLEN PR595C2M is particularly intended for applications in which excellent transparency, short cycle time and good organoleptic properties are required.

- Houseware containers (square and cylindrical shape).
- Transparent boxes and crates for domestic and professional storage.
- Thin wall containers for foodstuffs: yoghurt, dairy products, fast food, candies, sauces...
- Technical appliances: furniture, toys, kitchen equipment...

Recommended melt temperature range from 230 to 250ºC. Processing conditions should be optimised for each production line. Physical blend with other materials may cause incompatibilities.

Properties:

Properties	Value	Unit	Test Method
General			
Melt Flow Rate (230ºC/2.16 kg)	50	g/10 min	ISO 1133
Density at 23ºC	905	kg/m^3	ISO 1183
Mechanical			
Flexural Modulus	1100	MPa	ISO 178
Charpy Impact Strength (23 ºC, notched)	5	kJ/m^2	ISO 179
Thermal			
HDT (0.45 MPa)	72	ºC	ISO 75

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 PR595C2M 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.

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.

June 2026

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