

Technical data sheet

Chemicals



PP REPSOL ISPLEN PR595C2M

REPSOL ISPLEN PR595C2M is a 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 250°C. Processing conditions should be optimised for each production line.

PROPERTIES	VALUE	UNIT	MÉTHOD
General			
Melt flow rate (230°C/ 2,16 kg)	55	g/10 min	ISO 1133
Density at 23°C	905	kg/m ³	ISO 1183
Mechanical			
Flexural modulus of elasticity	1.100	MPa	ISO 178
Charpy impact strength (23°C, notched)	5	kJ/m ²	ISO 179
Thermal			
HDT 0,45 MPa	72	°C	ISO 75

REPSOL ISPLEN PR595C2M 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 PR595C2M 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

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