

REPSOL ISPLEN PR599C2M

REPSOL ISPLEN PR599C2M is a phthalate free polypropylene random copolymer with very high fluidity, intended for injection moulding. It is remarkable the excellent transparency and good yellowness index, as well as the improved organoleptic properties and its high melt flow index. This permits very short cycle times for manufacturing thin wall articles.

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 PR599C2M 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. Physical blend with other materials may cause incompatibilities.

PROPERTIES	VALUE	UNIT	TEST METHOD
GENERAL			
Melt flow rate (230°C/ 2,16 kg)	75	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)	6	kJ/m ²	ISO 179
THERMAL			
HDT 0,45 MPa	75	°C	ISO 75

Storage

REPSOL ISPLEN PR599C2M 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.

[1/2]

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 raw material reception

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[2/2]