REPSOL

PP REPSOL ISPLEN PP094N2M

REPSOL ISPLEN PP094N2M is a polypropylene homopolymers of very high fluidity intended for injection moulding. It is a nucleated grade and is characterised by good flow properties that facilitates 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 us:

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

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

PROPERTIES	VALUE	UNIT	MÉTHOD
General			
Melt flow rate (230°C/ 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 (23°C,notched)	2,5	kJ/m^2	ISO 179
Thermal			
HDT 0,45 MPa	95	ºC	ISO 75
Others			
Shore Hardness	75	-	ISO 868

REPSOL ISPLEN PP094N2M 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.

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.

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