Isplen® Polypropylene

Chemicals Technical data sheet

REPSOL

ISPLEN® PP094N2M

ISPLEN® PP 094 N2M 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.

TYPICAL APPLICATIONS

ISPLEN® PP 094 N2M 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	TEST METHOD
General			
Melt Flow Rate (230 °C; 2.16 kg)	40	g/10 min	ISO 1133
Density	905	kg/m^3	ISO 1183
Mechanical			
Flexural Modulus	1700	MPa	ISO 178
Charpy Impact Strength Notched 23 °C	2.5	kJ/m^2	ISO 179
Thermal			
Heat Deflection Temperature 0.45MPa	95	°C	ISO 75
Others			
Shore Hardness	75	D Scale	ISO 868

ISPLEN® PP 094 N2M complies with the European Directives regarding materials intended for contact with foodstuffs. For further information, please contact our Technical Service and Development Laboratory or our Customer Care Service.

STORAGE

ISPLEN® PP 094 N2M 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 which may have a negative influence on the processability and the properties of the transformed product.

November 2013

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