

ISPLEN® PP 094 N2M

Polypropylene Homopolymer
REPSOL

PROSPECTOR®

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Technical Data

Product Description

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 250°C. Processing conditions should be optimised for each production line.

General

Material Status	• Commercial: Active
Literature ¹	• Processing - Injection Molding (English) • Technical Datasheet (English)
Search for UL Yellow Card	• REPSOL
Availability	• Europe • North America
Additive	• Nucleating Agent
Features	• Crystalline • Fast Molding Cycle • Food Contact Acceptable • Good Chemical Resistance • Good Colorability • Good Moldability • High Flow • High Stiffness • Low Warpage • Nucleated
Uses	• Appliances • Food Containers • Furniture • Packaging • Rigid Packaging • Thin-walled Packaging • Toys
Agency Ratings	• EU Food Contact, Unspecified Rating
Processing Method	• Injection Molding

Physical	Nominal Value (English)	Nominal Value (SI)	Test Method
Density	0.905 g/cm ³	0.905 g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	40 g/10 min	40 g/10 min	ISO 1133
Mechanical	Nominal Value (English)	Nominal Value (SI)	Test Method
Flexural Modulus	247000 psi	1700 MPa	ISO 178
Impact	Nominal Value (English)	Nominal Value (SI)	Test Method
Charpy Notched Impact Strength (73°F (23°C))	1.2 ft·lb/in ²	2.5 kJ/m ²	ISO 179
Hardness	Nominal Value (English)	Nominal Value (SI)	Test Method
Shore Hardness (Shore D)	75	75	ISO 868
Thermal	Nominal Value (English)	Nominal Value (SI)	Test Method
Heat Deflection Temperature 66 psi (0.45 MPa), Unannealed	203 °F	95.0 °C	ISO 75-2/B
Injection	Nominal Value (English)	Nominal Value (SI)	
Processing (Melt) Temp	374 to 482 °F	190 to 250 °C	

Notes

¹ These links provide you with access to supplier literature. We work hard to keep them up to date; however you may find the most current literature from the supplier.

² Typical properties: these are not to be construed as specifications.

