

ISPLEN® PP 094 N2M

Polypropylene Homopolymer
REPSOL

Message:

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 Information			
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	Unit	Test Method
Density	0.905	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	40	g/10 min	ISO 1133
Hardness	Nominal Value	Unit	Test Method

Shore Hardness (Shore D)	75		ISO 868
Mechanical	Nominal Value	Unit	Test Method
Flexural Modulus	1700	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	2.5	kJ/m ²	ISO 179
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (0.45 MPa, Unannealed)	95.0	°C	ISO 75-2/B
Injection	Nominal Value	Unit	
Processing (Melt) Temp	190 to 250	°C	

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