

ISPLEN® PP 090 G2M

Polypropylene Homopolymer
REPSOL

Message:

ISPLEN® PP 090 G2M is a polypropylene homopolymer with a very high fluidity intended for injection moulding. It is characterised by good flow properties that facilitates an easy mould filling and short cycle times with big articles. Articles manufactured with this grade have excellent chemical resistance, are easily decorated and can accept different colouring systems.

TYPICAL APPLICATIONS

ISPLEN® PP 090 G2M is widely used for the production of consumer goods such us:

- Food containers.
- Rigid packaging.
- Garden and domestic furniture.
- Pistons for one use syringes, needle covers and other lab equipment.

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

General Information			
Features	Fast Molding Cycle		
	Food Contact Acceptable		
	Good Chemical Resistance		
	Good Colorability		
	Good Moldability		
	High Flow		
Uses	Food Containers		
	Furniture		
	Labware		
	Packaging		
	Rigid Packaging		
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)	35	g/10 min	ISO 1133
Hardness	Nominal Value	Unit	Test Method
Shore Hardness (Shore D)	72		ISO 868
Mechanical	Nominal Value	Unit	Test Method
Flexural Modulus	1650	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)	80.0	°C	ISO 75-2/B

Injection	Nominal Value	Unit
Processing (Melt) Temp	190 to 250	°C

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