

# ISPLEN® PP 080 G2M

Polypropylene Homopolymer  
REPSOL

Message:

ISPLEN® PP 080 G2M is a homopolymer grade with a high fluidity intended for injection moulding. It is characterised by good flow properties that enables to fill the mould easier and by 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 080 G2M is widely used for the production of consumer goods such us:  
Food containers and rigid packaging.  
Vacuum and cosmetic flasks.  
Garden and domestic furniture  
Base product for compounds  
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 Flow		
	High Flow		
Uses	Compounding		
	Food Containers		
	Furniture		
	Packaging		
	Rigid Packaging		
Agency Ratings	EU Food Contact, Unspecified Rating		
Processing Method	Compounding		
	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	0.905	g/cm <sup>3</sup>	ISO 1183
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	20	g/10 min	ISO 1133
Hardness	Nominal Value	Unit	Test Method
Shore Hardness (Shore D)	70		ISO 868
Mechanical	Nominal Value	Unit	Test Method
Flexural Modulus	1600	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	3.0	kJ/m <sup>2</sup>	ISO 179

Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (0.45 MPa, Unannealed)	85.0	°C	ISO 75-2/B
Injection	Nominal Value	Unit	
Processing (Melt) Temp	190 to 250	°C	

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#### Recommended distributors for this material

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