

# ISPLEN® PB 300 A3M

Polypropylene Impact Copolymer

REPSOL

## Message:

ISPLEN® PB 300 A3M is a very high fluidity heterophasic copolymer characterised by its excellent flow properties and good balance of mechanical properties, impact strength and high stiffness. It is particularly suitable for injection moulding applications used in the manufacture of very thin walled articles.

ISPLEN® PB 300 A3M provides a specific molecular structure that allows the articles made with PB 199 A3M exhibit a low tendency to warp, ultra light flow and high dimensional stability. Antistatic additive package also facilitates material processing, reduces internal stresses and makes the articles extraction from the mould easier reaching high cadence of production.

## TYPICAL APPLICATIONS

The specific characteristics of ISPLEN® PB 300 A3M are particularly suitable for applications with very thin-walled articles as:

Containers for exhibiting food products: ice creams, dairy products...

Trays, boxes, cups and rounded containers for processed food.

Flowerpots, buckets, waste containers, lids, caps, cosmetic flasks...

Video boxes. Cases for DVD, CD-R, CD-RW and optical storage systems.

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

General Information			
Additive	Antistatic		
Features	Antistatic		
	Fast Molding Cycle		
	Food Contact Acceptable		
	Good Dimensional Stability		
	Good Impact Resistance		
	High Flow		
	High Stiffness		
	Low Warpage		
Uses	Caps		
	Containers		
	Cups		
	Food Containers		
	Lids		
	Media Packaging		
	Thin-walled Parts		
Agency Ratings	EU Food Contact, Unspecified Rating		
Processing Method	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)	80	g/10 min	ISO 1133
Hardness	Nominal Value	Unit	Test Method

Shore Hardness (Shore D)	62		ISO 868
Mechanical	Nominal Value	Unit	Test Method
Flexural Modulus	1250	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	5.0	kJ/m <sup>2</sup>	ISO 179
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (0.45 MPa, Unannealed)	90.0	°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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