

# ISPLEN® PB 195 K3M

Polypropylene Impact Copolymer  
REPSOL

Message:

ISPLEN® PB 195 K3M is a very high fluidity heterophasic copolymer intended for injection moulding applications. It is characterised by its very high stiffness and excellent impact properties in a grade with a high melt flow index value. It is a nucleated grade and, in addition, its special antistatic formulation provides good long-term aesthetic appearance and easy demoulding, allowing to achieve faster cycle times.

TYPICAL APPLICATIONS

The particular characteristics of ISPLEN® PB 195 K3M provide a grade with excellent balance of mechanical properties with very high stiffness and excellent impact properties, as well as a good dimensional stability. It is widely used in:

- Pails
- Domestic and leisure furniture.
- Square boxes and round storage containers for consumer appliances.
- Thin-walled containers for exhibiting food products: ice creams, fast food, dairy products...
- Flowerpots, buckets, storage organizers, waste containers, trays...
- Recommended melt temperature range from 190 to 250°C. Processing conditions should be optimised for each production line.

General Information			
Additive	Antistatic		
	Nucleating Agent		
Features	Antistatic		
	Fast Molding Cycle		
	Food Contact Acceptable		
	Good Dimensional Stability		
	Good Impact Resistance		
	High Flow		
	High Stiffness		
	Nucleated		
Uses	Containers		
	Food Containers		
	Furniture		
	Pails		
	Thin-walled Containers		
Agency Ratings	EU Food Contact, Unspecified Rating		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	0.905	g/cm³	ISO 1183
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	45	g/10 min	ISO 1133
Hardness	Nominal Value	Unit	Test Method

Shore Hardness (Shore D)	67		ISO 868
Mechanical	Nominal Value	Unit	Test Method
Flexural Modulus	1500	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	7.5	kJ/m <sup>2</sup>	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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#### Recommended distributors for this material

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