ISPLEN® PB 199 A3M

Polypropylene Impact Copolymer

REPSOL

Message:

ISPLEN® PB 199 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 199 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 199 A3M are particularly suitable for applications requiring good toughness, excellent processability and dimensional stability. It is widely used in 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/cm³	ISO 1183
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	55	g/10 min	ISO 1133

Hardness	Nominal Value	Unit	Test Method

Shore Hardness (Shore D)	65		ISO 868
Mechanical	Nominal Value	Unit	Test Method
Flexural Modulus	1200	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	4.0	kJ/m^2	ISO 179
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (0.45 MPa, Unannealed)	94.0	°C	ISO 75-2/B
Injection	Nominal Value	Unit	
Processing (Melt) Temp	190 to 250	°C	

Recommended distributors for this material

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