Technical Data Sheet

ISPLEN® Polypropylene

Chemicals

ISPLEN® PB300A3M

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 250ºC. Processing conditions should be optimised for each production line.

PROPERTIES	VALUE	UNIT	TEST METHOD
General			
Melt Flow Rate (230 °C; 2.16 kg)	80	g/10 min	ISO 1133
Density	905	kg/m^3	ISO 1183
Mechanical			
Flexural Modulus	1250	MPa	ISO 178
Charpy Impact Strength Notched (23 °C)	5	kJ/m^2	ISO 179
Thermal			
Heat Deflection Temperature 0.45MPa	90	°C	ISO 75
Others			
Shore Hardness	62	D Scale	ISO 868

ISPLEN® PB 300 A3M complies with the European Directives regarding materials intended for contact with foodstuffs. For further information, please contact our Technical Service and Development Laboratory or our Customer Care Service.

STORAGE

ISPLEN® PB 300 A3M should be stored in a dry atmosphere, on a paved, drained and not flooded area, at temperatures under 60ºC and protected from UV radiation. Storage under inappropriate conditions could initiate degradation processes which may have a negative influence on the processability and the properties of the transformed product.

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