

Isplen® Polypropylene

Chemicals

Technical data sheet



ISPLEN® PB 199 A3M

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.

PROPERTIES	VALUE	UNIT	TEST METHOD
General			
Melt Flow Rate (230 °C; 2.16 kg)	55	g/10 min	ISO 1133
Density	905	kg/m ³	ISO 1183
Mechanical			
Flexural Modulus	1200	MPa	ISO 178
Charpy Impact Strength Notched 23 °C	4	kJ/m ²	ISO 179
Thermal			
Heat Deflection Temperature 0.45MPa	94	°C	ISO 75
Others			
Shore Hardness	65	D Scale	ISO 868

ISPLEN® PB 199 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 199 A3M should be stored in a dry atmosphere, on a paved, drained and not flooded area, at temperatures under 60°C 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.

November 2013

This information is offered in good faith and meant only as a guide. The transformer or user will be, in each case, responsible for the processing conditions and the final use of the product. Freedom under patents, copyright and registered designs cannot be assumed.

Technical Service and Development:
Repsol Technology Centre
Ctra. de Extremadura A5, Km 18
28931 Móstoles, Madrid
Tel. +34 91 753 86 00
atd_poliiolefinas@repsol.com

Headquarters:
Méndez Álvaro, 44
28045 Madrid
Spain
www.chemicals.repsol.com

Customer Care:
sacrq@repsol.com