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Technical Data Sheet
Chemicals

REPSOL ISPLEN PB179K1M

REPSOL ISPLEN PB179K1M is a phthalate free medium fluidity heterophasic copolymer with an outstanding mechanical balance. It provides a high level of stiffness with an excellent impact resistance. It is nucleated and contains a special antistatic formulation which provides good long-term aesthetic finished as well as an excellent demoulding performance.

Applications

REPSOL ISPLEN PB179K1M performance profile expands the final application to broad and diverse goods: packaging (cylindrical containers for paints, leisure chemicals, pool maintenance products), caps and closures, food rounded containers, baskets, garden furniture, flowerpots, toys, trays and technical items for domestic appliances or automotive industries.

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)	12	g/10 min	ISO 1133
Density at 23ºC	905	kg/m^3	ISO 1183
MECHANICAL			
Flexural modulus of elasticity	1.400	MPa	ISO 178
Charpy impact strength (23°C, notched)	12	kJ/m^2	ISO 179

Storage

REPSOL ISPLEN PB179K1M 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 or undesired migration of additives included in its formulation which may have a negative influence on the processability and properties of the transformed product.

Disclaimer

This grade complies with the European regulations for materials for use in food contact. This grade is not intended to be used in medical, pharmaceutical, or healthcare applications, therefore Repsol does not authorize its use in them.

Repsol does not grant express or implicit guarantees that extend beyond the description contained herein. Nothing herein shall constitute any guarantee of merchantability or fitness for a particular purpose. Before using a product sold by Repsol, users must make their own independent determination that the product is safe, legal, and technically suitable for its intended use. Repsol does not assume any responsibility for the use of its materials together with other materials.

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Related documents

The following related documents are available on request, and represent various aspects on the usability and safety of the product:

- Safety data sheet
- Statement on compliance with food contact regulations

Recommended consumption period: 12 months from the raw material reception

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