TECHNICAL DATA SHEET

Repsol Alcudia® 2322M

The grade REPSOL ALCUDIA 2322M is a low density polyethylene grade of high fluidity intended for those injection molding applications in which toughness and good flow properties are required. Its formulation does not contain additives.

Applications:

- Industrial parts and components.
- Caps and closures.
- Toys.

Recommended melt temperature range from 180 to 230ºC. Processing conditions should be optimized for each production line.

Properties:

Properties	Value	Unit	Test Method
General			
Melt Flow Rate (190ºC, 2.16 kg)	21	g/10 min	ISO 1133
Density at 23ºC	919	kg/m^3	ISO 1183
Mechanical (1)			
Flexural Modulus	150	MPa	ISO 178
Tensile Strength at Break	9	MPa	ISO 527-2
Tensile Strain at Break	375	%	ISO 527-2
Other			
Vicat Softening Temperature (load 10N)	80	ºC	ISO 306
Shore Hardness	47	D Scale	ISO 868

(1) 50 µm thickness film, blow up ratio 2.25:1.

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.

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Storage:

The grade REPSOL ALCUDIA 2322M should be stored in a dry atmosphere, on a paved, drained and not flooded area, at temperatures under 50ºC 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.

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 date of delivery to the customer.

March 2026

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