

Alcudia® Low density polyethylene

Chemicals

Technical data sheet



ALCUDIA® PE022

ALCUDIA® PE022 is a low density polyethylene grade of very high fluidity, intended for injection moulding applications due to very low viscosity that allows an easy filling of the moulds, even with complex geometry, and it is very versatile to disperse pigments. It does not contain any additives.

TYPICAL APPLICATIONS

Due to its good properties balance, ALCUDIA® PE022 is a very versatile grade and is suitable for articles of very diverse sizes:

- Caps and closures.
- Toys.
- Component in the preparation of masterbatches and blends with waxes and other polymers.

Recommended melt temperature range from 180 to 230°C. Processing conditions should be optimised for each production line.

PROPERTIES	VALUE	UNIT	TEST METHOD
General			
Melt Flow Rate (190 °C; 2.16 kg)	70	g/10 min	ISO 1133
Density	915	kg/m ³	ISO 1183
Mechanical			
Flexural modulus	100	MPa	ISO 178
Tensile strength at break	8	MPa	ISO 527-2
Elongation at break	120	%	ISO 527-2
Thermal			
Melting point	105	°C	Internal
Vicat softening temperature (10 N)	75	°C	ISO 306
Others			
Shore hardness	40	D Scale	ISO 868

ALCUDIA® PE022 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

ALCUDIA® PE022 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.

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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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