

ALCUDIA® Low density polyethylene



Chemicals

ALCUDIA® PE023

ALCUDIA® PE023 is a low density polyethylene grade of very high fluidity, intended for diverse applications such as hot-melt adhesives, coatings, compounds and master-batches. Its formulation does not include additives.

TYPICAL APPLICATIONS

- Hot-melt adhesives
- Coatings
- Viscosity modification in blends
- Compounds
- Master-batches

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)	150	g/10 min	ISO 1133
Density	916	kg/m ³	ISO 1183
Mechanical			
Tensile strength at break	7	MPa	ISO 527-2
Elongation at break	115	%	ISO 527-2
Thermal			
Melting point	105	°C	Internal
Vicat softening temperature (10 N)	72	°C	ISO 306
Ring-ball softening point	116	°C	ASTM E-28
Others			
Shore hardness	95	A Scale	ISO 868

ALCUDIA® PE023 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® PE023 should be stored in a dry atmosphere, on a paved, drained and not flooded area, at temperatures under 50°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.

March 2010

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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