

Alcudia® Low density polyethylene

Chemicals

Technical data sheet



LDPE ALCUDIA® PE017

DESCRIPTION

ALCUDIA® PE017 is a low density polyethylene grade, produced by high pressure autoclave technology, suitable for extrusion coating and injection moulding applications. This material offers a good balance between easy processability and stiffness. It does not contain any additives.

TYPICAL APPLICATIONS

- Extrusion coating.
- Injection moulding.

Recommended melt temperature range for extrusion coating from 275 to 330°C. Processing conditions should be optimised for each production line.

PROPERTIES	VALUE	UNIT	TEST METHOD
General			
Melt Flow Rate (190°C, 2.16kg)	8,5	g/10 min	ISO 1133
Density at 23°C	919	kg/m ³	ISO 1183
Mechanical ⁽¹⁾			
Flexural modulus of traction	160	MPa	ISO 527-2
Tensile stress at break (MD/TD)	10	MPa	ISO 527-3
Elongation at break (MD/TD)	500	%	ISO 527-3
Other			
Vicat softening temperature (load 10 N)	86	°C	ISO 306
Shore Hardness D	46	-	ISO 868

(1) Compression moulded specimen.

ALCUDIA® PE017 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® PE017 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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