

Alcudia® Low density polyethylene

Chemicals

Technical data sheet



LDPE ALCUDIA® PE071

DESCRIPTION

ALCUDIA® PE071 is a low density polyethylene grade, produced by high pressure autoclave technology, especially intended for extrusion coating. This material offers an adequate balance between easy processability, good organoleptic properties, excellent adhesion and low neck-in. It does not contain any additives.

TYPICAL APPLICATIONS

- Extrusion coating.
- Coextruded thin film.
- Injection moulding.

The excellent draw down properties of ALCUDIA® PE-071 allow high-speed coatings, up to 850 m/min and 5 g/m² at a maximum extrusion temperature of 330°C.

This material has a very low neck-in throughout a wide range of extrusion conditions.

Recommended melt temperature range for extrusion coating from 275 to 330°C.

Temperature range for coextrusion depending on the processed polymers.

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
Extrusion			
Maximum Coating Speed	850	m/min	
Minimum Coating Weight	5	g/m ²	
Total Neck-in	68	mm	
Other			
Vicat softening temperature (load 10 N)	86	°C	ISO 306

ALCUDIA® PE071 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® PE071 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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