

Alcudia® High density polyethylene

Chemicals

Technical data sheet



HDPE ALCUDIA® TR131

DESCRIPTION

ALCUDIA® TR-131 is a high molecular weight hexene copolymer, especially intended for geomembrane extrusion. This material offers easy processability, excellent mechanical properties, good sealing characteristics and high stress crack resistance. It contains antioxidant additive.

TYPICAL APPLICATIONS

- Waterproof sheets: rubbish damp, water damp

Recommended melt temperature range from 200 to 230°C. Processing conditions should be optimised for each production line.

PROPERTIES	VALUE	UNIT	TEST METHOD
General			
Melt Flow Rate (190°C, 5kg)	0.75	g/10 min	ISO 1133
Melt Flow Rate (190°C, 21.6kg)	18	g/10 min	ISO 1133
Density at 23°C	938	kg/m ³	ISO 1183
Sheet ⁽¹⁾			
Tensile stress at break (MD/TD)	31/33	MPa	ISO 527-3
Tensile stress at yield (MD/TD)	19/19	MPa	ISO 527-3
Elongation at break (MD/TD)	750/850	%	ISO 527-3
Notched Constant Tensile Load Test (SP-NCTL)	>300	h	ASTM D5397-99
Tear Strenght (MD/TD)	150/140	N/mm	UNE 53158
Other			
Vicat softening temperature (load 10 N)	122	°C	ISO 306

(1) 1.5 mm thickness sheet with 2.4% of carbon black cast film extrusion.

ALCUDIA® TR131 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® TR131 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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