

ALCUDIA® High density polyethylene



Chemicals

ALCUDIA® R4805D1

ALCUDIA® R4805D1 is a low melt flow rate high density polyethylene with medium molecular weight distribution. It offers an optimum balance between mechanical and processing properties for production of tapes with high tensile strength at break. This product is specially formulated with a slip package.

TYPICAL APPLICATIONS

ALCUDIA® R4805D1 is designed for stretched tapes production based on blown film. It gives flexible tapes with high tenacity and low fibrillation tendency suitable for high speed textil lines:

- Iso Mayer textile applications
- Raschel knitted and woven fabrics.
- Twines and ropes

Recommended melt temperature range from 210 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)	0.55	g/10 min	ISO 1133
Density	948	kg/m ³	ISO 1183
Processing guidelines on HD-extruders (1)			
Temperature	180 - 230	°C	
Blow up ratio	1.1 – 1.3		

(1) Should be processed on HD-extruders in order to obtain optimal performance and good mechanical properties of the film

ALCUDIA® R4805D1 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® R4805D1 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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