

Alcudia® High density polyethylene

Chemicals

Technical data sheet



ALCUDIA® M5204

DESCRIPTION

ALCUDIA® M5204 is a low melt flow rate high density polyethylene with narrow molecular weight distribution. It offers adequate processing properties for production of monofilaments with the highest tensile strength at break, mainly using processing lines with two long stretching ovens.

TYPICAL APPLICATIONS

ALCUDIA® M5204 gives the highest tenacity monofilaments designed for top products of technical applications:

- Fishing nets
- Ropes

Recommended melt temperature range from 210 to 240°C. Processing conditions should be optimised for each production line.

PROPERTIES	VALUE	UNIT	TEST METHOD
General			
Melt Flow Rate (190°C, 2.16 kg)	0.45	g/10 min	ISO 1133
Melt Flow Rate (190°C, 21.6 kg)	12.5	g/10 min	ISO 1133
Density at 23°C	952	kg/m ³	ISO 1183
Processing guidelines			
Temperature	180-240	°C	
Stretching ratio	8-13		

ALCUDIA® M5204 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® M5204 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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