

ALCUDIA® High density polyethylene



Chemicals

ALCUDIA® M5309

ALCUDIA® M5309 is a medium melt flow rate high density polyethylene with medium molecular weight distribution. It offers optimum processing properties for production of monofilaments with good tensile strength at break.

TYPICAL APPLICATIONS

ALCUDIA® M5309 gives flexible monofilaments with very low fibrillation tendency suitable for textile applications:

- Nets
- Webs

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)	0.95	g/10 min	ISO 1133
Density	953	kg/m ³	ISO 1183
Processing guidelines			
Temperature	180 - 230	°C	
Stretching ratio	8-10		

ALCUDIA® M5309 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® M5309 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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