

Alcudia® High density polyethylene

Chemicals
Technical data sheet


ALCUDIA® M5305

DESCRIPTION

ALCUDIA® M5305 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 monofilaments with high tensile strength at break.

TYPICAL APPLICATIONS

ALCUDIA® M5305 gives high tenacity and flexible monofilaments with low fibrillation tendency suitable for:

- Webs
- Ropes
- Fishing nets

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 (230°C, 2.16 kg)	0.50	g/10 min	ISO 1133
Density at 23°C	953	kg/m ³	ISO 1183
Processing guidelines			
Temperature	180-230	°C	
Stretching ratio	8-11		

ALCUDIA® M5305 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® M5305 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.

Technical Service and Development:
Repsol Technology Centre
Ctra. de Extremadura A5, Km 18
28931 Móstoles, Madrid
Tel. +34 91 753 86 00
atd_poliolefinas@repsol.com

Headquarters:
Méndez Álvaro, 44
28045 Madrid
Spain
www.chemicals.repsol.com

Customer Care:
sacrq@repsol.com