

# ALCUDIA® HDPE M5305

High Density Polyethylene  
REPSOL

Message:

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.

General Information			
Features	High tensile strength		
	Low liquidity		
	Medium wide molecular weight distribution		
Uses	monofilament		
	Rope		
	Web		
Processing Method	Filament extrusion		
Physical	Nominal Value	Unit	Test Method
Density	0.953	g/cm³	ISO 1183
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	0.52	g/10 min	ISO 1133
Extrusion	Nominal Value	Unit	
Melt Temperature	180 - 230	°C	
Extrusion instructions			

Stretching Ratio: 8 to 11

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Recommended distributors for this material

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WECHAT