

ALCUDIA® HDPE M5204

High Density Polyethylene

REPSOL

Message:

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.

General Information			
Features	High tensile strength Low liquidity Narrow molecular weight distribution		
Uses	monofilament Rope Web		
Processing Method	Filament extrusion		
Physical	Nominal Value	Unit	Test Method
Density	0.953	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR)			ISO 1133
230°C/2.16 kg	0.46	g/10 min	ISO 1133
230°C/21.6 kg	13	g/10 min	ISO 1133
Extrusion	Nominal Value	Unit	
Melt Temperature	180 - 240	°C	
Extrusion instructions			

Stretching Ratio: 8 to 13

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Recommended distributors for this material

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