



HDPE REPSOL ALCUDIA M5309

REPSOL 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.

Applications

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

- Nets.
- Webs.

Recommended melt temperature range from 210-230°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		

REPSOL ALCUDIA M5309 complies with the European Directives regarding materials intended for contact with foodstuffs. The product mentioned herein is not intended to be used for medical, pharmaceutical or healthcare applications and we do not support their use for such applications. For further information, please contact our Technical Service and Development Laboratory or our Customer Care Service.

Storage

REPSOL ALCUDIA M5309 should be stored in a dry atmosphere, on a paved, drained and not flooded area, at temperatures under 50°C and protected from UV radiation. Storage under inappropriate conditions could initiate degradation processes or undesired migration of additives included in its formulation which may have a negative influence on the processability and the properties of the transformed product.

January 2017