

ALCUDIA® LDPE PE-023

Low Density Polyethylene

REPSOL

Message:

ALCUDIA® PE023 is a low density polyethylene grade of very high fluidity, intended for diverse applications such as hot-melt adhesives, coatings, compounds and master-batches. Its formulation does not include additives.

TYPICAL APPLICATIONS

Hot-melt adhesives

Coatings

Viscosity modification in blends

Compounds

Master-batches

Recommended melt temperature range from 180 to 230°C. Processing conditions should be optimised for each production line.

General Information			
Features	Additive Free		
	Food Contact Acceptable		
	High Flow		
Uses	Adhesives		
	Coating Applications		
	Compounding		
	Masterbatch		
	Plastics Modification		
Agency Ratings	EU Food Contact, Unspecified Rating		
Processing Method	Compounding		
Physical	Nominal Value	Unit	Test Method
Density	0.916	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	150	g/10 min	ISO 1133
Hardness	Nominal Value	Unit	Test Method
Shore Hardness (Shore A)	95		ISO 868
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Break)	7.00	MPa	ISO 527-2
Tensile Strain (Break)	120	%	ISO 527-2
Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature	72.0	°C	ISO 306/A
Melting Temperature	105	°C	
Ring and Ball Softening Point	116	°C	ASTM E28
Extrusion	Nominal Value	Unit	
Melt Temperature	180 to 230	°C	

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Recommended distributors for this material

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