

# ALCUDIA® LDPE PE-019

Low Density Polyethylene  
REPSOL

## Message:

ALCUDIA® PE019 is a low density polyethylene grade of high fluidity intended for those injection moulding applications in which toughness and good flow properties are required. Its formulation does not contain additives.

TYPICAL APPLICATIONS

Due to its good properties balance, ALCUDIA® PE019 is a very versatile grade and is suitable for articles of very diverse sizes:

Industrial parts and components.

Caps and closures.

Toys.

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		
	Good Toughness		
	High Flow		
Uses	Caps		
	Closures		
	Industrial Applications		
	Toys		
Agency Ratings		EU Food Contact, Unspecified Rating	
Processing Method		Injection Molding	
Physical	Nominal Value	Unit	Test Method
Density (23°C)	0.919	g/cm³	ISO 1183
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	20	g/10 min	ISO 1133
Hardness	Nominal Value	Unit	Test Method
Shore Hardness (Shore D)	47		ISO 868
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Break)	9.00	MPa	ISO 527-2
Tensile Strain (Break)	380	%	ISO 527-2
Flexural Modulus	150	MPa	ISO 178
Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature	80.0	°C	ISO 306/A
Injection	Nominal Value	Unit	
Processing (Melt) Temp	180 to 230	°C	

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Recommended distributors for this material

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WECHAT