

ALCUDIA® LDPE PE-022

Low Density Polyethylene
REPSOL

Message:

ALCUDIA® PE022 is a low density polyethylene grade of very 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® PE022 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	0.915	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	70	g/10 min	ISO 1133
Hardness	Nominal Value	Unit	Test Method
Shore Hardness (Shore D)	40		ISO 868
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Break)	8.00	MPa	ISO 527-2
Tensile Strain (Break)	120	%	ISO 527-2
Flexural Modulus	100	MPa	ISO 178
Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature	75.0	°C	ISO 306/A
Injection	Nominal Value	Unit	
Processing (Melt) Temp	180 to 230	°C	

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