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/cm³	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	

Recommended distributors for this material

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