

# ALCUDIA® LDPE PE-071

Low Density Polyethylene  
REPSOL

## Message:

ALCUDIA® PE071 is a low density polyethylene grade, produced by high pressure autoclave technology, especially intended for extrusion coating. This material offers an adequate balance between easy processability, good organoleptic properties, excellent adhesion and low neck-in. It does not contain any additives.

TYPICAL APPLICATIONS

Extrusion coating.  
Coextruded thin film.  
Injection moulding.

The excellent draw down properties of ALCUDIA® PE-071 allow high-speed coatings, up to 850 m/min and 5 g/m<sup>2</sup> at a maximum extrusion temperature of 330°C.

This material has a very low neck-in throughout a wide range of extrusion conditions.

Recommended melt temperature range for extrusion coating from 275 to 330°C.

Temperature range for coextrusion depending on the processed polymers.

Processing conditions should be optimised for each production line.

General Information			
Features	Workability, good		
	Good sensory characteristics		
	Good adhesion		
	Low shrinkage		
	Compliance of Food Exposure		
	No additive		
Uses	Coating application		
Agency Ratings	European food contact, not rated		
Processing Method	Co-extrusion molding		
	Extrusion coating		
	Injection molding		
Physical	Nominal Value	Unit	Test Method
Density (23°C)	0.919	g/cm <sup>3</sup>	ISO 1183
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	8.5	g/10 min	ISO 1133
Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature	86.0	°C	ISO 306/A
Extrusion	Nominal Value	Unit	
Melt Temperature	275 - 330	°C	
Extrusion instructions			

Maximum Coating Speed: 850 m/minMinimum Coating Weight: 5 g/m<sup>2</sup>Total Neck-in: 68 mm

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Recommended distributors for this material

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