

ALCUDIA® LDPE PE-017

Low Density Polyethylene
REPSOL

Message:

ALCUDIA® PE017 is a low density polyethylene grade, produced by high pressure autoclave technology, suitable for extrusion coating and injection moulding applications. This material offers a good balance between easy processability and stiffness. It does not contain any additives.

TYPICAL APPLICATIONS

Extrusion coating.
Injection moulding.

Recommended melt temperature range for extrusion coating from 275 to 330°C. Processing conditions should be optimised for each production line.

General Information	
Features	Additive Free
	Food Contact Acceptable
	Good Processability
	Good Stiffness
Uses	Coating Applications
Agency Ratings	EU Food Contact, Unspecified Rating
Processing Method	Extrusion Coating
	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)	7.0	g/10 min	ISO 1133
Hardness	Nominal Value	Unit	Test Method
Shore Hardness (Shore D)	46		ISO 868
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Break)	10.0	MPa	ISO 527-2
Tensile Strain (Break)	500	%	ISO 527-2
Flexural Modulus	160	MPa	ISO 178
Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature	86.0	°C	ISO 306/A
Extrusion	Nominal Value	Unit	
Melt Temperature	275 to 330	°C	

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Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China

