

# ALCUDIA® LDPE CA-2130A

Low Density Polyethylene  
REPSOL

Message:

ALCUDIA® CA-2130A is stabilized with HALS (colourless) and antioxidants. This compound offers high solar radiation resistance.

APPLICATIONS

Films for greenhouses and tunnels cover.

ALCUDIA® CA-2130A, 180 µm thickness films have a lifetime of two continuous agricultural seasons (two winters and one summer) in geographical areas where maximum solar radiation is 160 kLy. For further information, contact to Technical Assistance and Development Department or Commercial Attention Service.

Recommended melt temperature range from 190 to 210°C. Processing conditions should be optimised for each production line.

General Information			
Additive	Antioxidation		
	UV stabilizer		
Features	Antioxidation		
	Good UV resistance		
Uses	Films		
	Agricultural application		
Processing Method	Film extrusion		
Physical	Nominal Value	Unit	Test Method
Density (23°C)	0.924	g/cm <sup>3</sup>	ISO 1183
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	0.40	g/10 min	ISO 1133
Films	Nominal Value	Unit	Test Method
Film Thickness - Tested	180	µm	
Tensile Stress			ISO 527-3
MD: Fracture, 180 µm, blown film	19.0	MPa	ISO 527-3
TD: Fracture, 180 µm, blown film	19.0	MPa	ISO 527-3
Tensile Elongation			ISO 527-3
MD: Fracture, 180 µm, blown film	500	%	ISO 527-3
TD: Fracture, 180 µm, blown film	600	%	ISO 527-3
Dart Drop Impact (180 µm, blown film)	750	g	ISO 7765-1
Elmendorf Tear Strength			ISO 6383-2
MD: 180 µm, blown film	6.0	N	ISO 6383-2
TD: 180 µm, blown film	9.0	N	ISO 6383-2
Optical	Nominal Value	Unit	Test Method
Haze (180 µm, blown film)	40	%	ASTM D1003
Global Transmission of Visible Light <sup>1</sup> (180.0 µm)	90	%	EN 13206

#### Additional Information

Data taken from 180 µm thickness film, blown up ratio 2.25:1.

Extrusion	Nominal Value	Unit
Melt Temperature	190 - 210	°C

#### NOTE

1. Blown Film

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#### Recommended distributors for this material

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