

# ALCUDIA® EBA CA-7420B

Ethylene Butyl Acrylate Copolymer  
REPSOL

## Message:

ALCUDIA® CA-7420B is stabilized with HALS (colourless), UV absorber and antioxidants. The main properties of these compound films are heat retention, high solar radiation resistance and light transmission.

### APLICACIONES

Films for greenhouses and tunnels cover.

200 µm thickness, 1:2:1 three layers coextruded films, with ALCUDIA® CA-7420B in the middle layer and ALCUDIA® CA-7220B in the external layers, have a lifetime of the three years in geographical areas where maximum solar radiation is 160 Kly.

For further information, contact to Technical Assistance and Development Department or Commercial Attention Service.

Processing conditions should be optimized for each production line because of different rheological properties in coextruded structures.

General Information			
Additive	Antioxidation		
	UV stabilizer		
Features	Antioxidation		
Uses	Films		
	Agricultural application		
Processing Method	Film extrusion		
Physical	Nominal Value	Unit	Test Method
Density (23°C)	0.926	g/cm <sup>3</sup>	ISO 1183
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	0.40	g/10 min	ISO 1133
n-Butyl Acrylate Content	8.0	wt%	MA 173500
Films	Nominal Value	Unit	Test Method
Film Thickness - Tested	200	µm	
Tensile Stress			ISO 527-3
MD: Fracture, 200 µm, blown film	21.0	MPa	ISO 527-3
TD: Fracture, 200 µm, blown film	21.0	MPa	ISO 527-3
Tensile Elongation			ISO 527-3
MD: Fracture, 200 µm, blown film	550	%	ISO 527-3
TD: Fracture, 200 µm, blown film	600	%	ISO 527-3
Dart Drop Impact (200 µm, blown film)	1300	g	ISO 7765-1
Elmendorf Tear Strength			ISO 6383-2
MD: 200 µm, blown film	10	N	ISO 6383-2
TD: 200 µm, blown film	12	N	ISO 6383-2
Optical	Nominal Value	Unit	Test Method
Haze (200 µm, blown film)	20	%	ASTM D1003
Global Transmission of Visible Light <sup>1</sup> (200.0 µm)	91	%	EN 13206

IR Absorption <sup>2</sup> (200.0 μm)	75	%	EN 13206
Additional Information			
Data taken from 200 μm thickness 1:2:1 3230B/3431B/3230B three layers coextruded film. Blown up ratio 2.25:1.			
NOTE			
1.	Blown Film		
2.	Blown Film		

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