

ALCUDIA® EBA CA-7220B

Ethylene Butyl Acrylate Copolymer
REPSOL

Message:

ALCUDIA® CA-7220B is stabilized with HALS (colourless), UV absorber and antioxidants. The main properties of these compound films are high solar radiation resistance, light transmission and heat retention.

APLICACIONES

Films for greenhouses and tunnels cover.

200 µm thickness, 1:2:1 three layers coextruded films, with ALCUDIA® CA-7421B 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		
	Good UV resistance		
Uses	Films		
	Agricultural application		
Processing Method	Film extrusion		
Physical	Nominal Value	Unit	Test Method
Density (23°C)	0.928	g/cm³	ISO 1183
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	0.40	g/10 min	ISO 1133
n-Butyl Acrylate Content	3.0	wt%	
Films	Nominal Value	Unit	Test Method
Film Thickness - Tested	200	µm	
Tensile Stress			ISO 527-3
MD: Fracture, 200 µm, blown film	22.0	MPa	ISO 527-3
TD: Fracture, 200 µm, blown film	23.0	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	12	N	ISO 6383-2
TD: 200 µm, blown film	14	N	ISO 6383-2
Optical	Nominal Value	Unit	Test Method
Haze (200 µm, blown film)	45	%	ASTM D1003

Global Transmission of Visible Light ¹ (200.0 μm)	91	%	EN 13206
IR Absorption ² (200.0 μm)	85	%	EN 13206
Additional Information			
Data taken from 200 μm thickness 1:2:1 7220B/7421B/7220B three layers coextruded film, blown up ratio of 2.25:1.			
NOTE			
1.	Blown Film		
2.	Blown Film		

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