

ALCUDIA® EBA CA-3230B

Ethylene Butyl Acrylate Copolymer
REPSOL

Message:

EBA ALCUDIA® CA-3230B is stabilized with HALS (colourless), UV absorber and antioxidants. The main properties of films produced with this compound are high solar radiation resistance, light transmission, diffusion and heat retention.

APPLICATIONS

Films for greenhouses and tunnels cover.

The 200 µm thickness, 1:2:1 three layers coextruded films, with ALCUDIA® CA3431B or CA3430B in the middle layer and ALCUDIA® CA3230B in the external layers, have a lifetime of three continuous agricultural seasons (three winters and 2 summers) in geographical areas where the 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)	0.928	g/cm ³	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%	MA 173500
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	650	%	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	13	N	ISO 6383-2
TD: 200 µm, blown film	15	N	ISO 6383-2
Optical	Nominal Value	Unit	Test Method
Haze (200 µm, blown film)	35	%	ASTM D1003
Global Transmission of Visible Light ¹ (200.0 µm)	91	%	EN 13206

IR Absorption ² (200.0 μm)	82	%	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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