

ALCUDIA® EBA CA-3430B

Ethylene Butyl Acrylate Copolymer
REPSOL

Message:

EBA ALCUDIA® CA-3430B is stabilized with HALS (colourless), UV absorber and antioxidants. This compound offers high solar radiation resistance.

APLICATIONS

Films for greenhouses and tunnels cover.

The 200 µm thickness films made with ALCUDIA® CA-3430B have a lifetime of three continuous agricultural seasons (three winters and two 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.

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)	0.928	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	8.0	wt%	
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	590	%	ISO 527-3
TD: Fracture, 200 µm, blown film	600	%	ISO 527-3
Dart Drop Impact (200 µm, blown film)	1700	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 ¹ (200.0 μm)	91	%	EN 13206
Additional Information			
Data taken from 200 μm thickness film. Blown up ratio of 2.25:1.			
Extrusion	Nominal Value	Unit	
Melt Temperature	190 - 210	°C	
NOTE			
1.	Blown Film		

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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



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