

ALCUDIA® EBA PA-803

Ethylene Butyl Acrylate Copolymer
REPSOL

Message:

EBA ALCUDIA® PA-803 is a copolymer suitable for blown film applications combining excellent processability and very good mechanical properties. The butyl acrylate content is 8%. It contains antiblock additives.

TYPICAL APPLICATIONS

Film extrusion

Stretch hood film

Recommended melt temperature range is 160 to 180°C. Processing characteristics of PA-803 are similar to LDPE and conventional Polyethylene extruders are recommended.

General Information			
Additive	Anti-caking agent		
Features	Copolymer		
	Anti-caking property		
	Workability, good		
	Compliance of Food Exposure		
Uses	Blown Film		
	Stretch winding		
Agency Ratings	European food contact, not rated		
Processing Method	Film extrusion		
	Blow film		
Physical	Nominal Value	Unit	Test Method
Density (23°C)	0.924	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	0.30	g/10 min	ISO 1133
n-Butyl Acrylate Content	8.0	wt%	
Films	Nominal Value	Unit	Test Method
Film Thickness - Tested	130	µm	
Tensile Stress			ISO 527-3
MD: Fracture, 130 µm, blown film	25.0	MPa	ISO 527-3
TD: Fracture, 130 µm, blown film	26.0	MPa	ISO 527-3
Tensile Elongation			ISO 527-3
MD: Fracture, 130 µm, blown film	680	%	ISO 527-3
TD: Fracture, 130 µm, blown film	710	%	ISO 527-3
Dart Drop Impact (130 µm, Blown Film)	> 850	g	ISO 7765-1
Elmendorf Tear Strength			ISO 6383-2
MD: 130 µm, blown film	7.0	N	ISO 6383-2

TD: 130 μm, blown film	8.5	N	ISO 6383-2
Additional Information			
Data taken from 125 μm thickness film, blow up ratio 1:2.5, frost line height 50 cm.			
Extrusion	Nominal Value	Unit	
Melt Temperature	160 - 180	°C	

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