

ALCUDIA® EBA PA-1303

Ethylene Butyl Acrylate Copolymer
REPSOL

Message:

EBA ALCUDIA® PA-1303 is a copolymer suitable for blown film applications where good flexibility and very good mechanical properties are required. The butyl acrylate content is 13%.

TYPICAL APPLICATIONS

Film extrusion

Stretch hood film

Agricultural films

Recommended melt temperature 180°C. Processing characteristics of PA-1303 are similar to LDPE and conventional polyethylene extruders are recommended. Processing conditions should be optimised for each production line.

General Information			
Features	Good flexibility		
	Compliance of Food Exposure		
Uses	Films		
	Stretch winding		
	Agricultural application		
Agency Ratings	European food contact, not rated		
Processing Method	Film extrusion		
	Blow film		
Physical	Nominal Value	Unit	Test Method
Density (23°C)	0.925	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	13.0	wt%	
Mechanical	Nominal Value	Unit	Test Method
Coefficient of Friction (Blown Film)	1.3		ISO 8295
Films	Nominal Value	Unit	Test Method
Film Thickness - Tested	200	µm	
Tensile Stress			ISO 527-3
MD: Fracture, 200 µm, blown film	20.0	MPa	ISO 527-3
TD: Fracture, 200 µm, blown film	22.0	MPa	ISO 527-3
Tensile Elongation			ISO 527-3
MD: Fracture, 200 µm, blown film	570	%	ISO 527-3
TD: Fracture, 200 µm, blown film	600	%	ISO 527-3
Dart Drop Impact (200 µm, blown film)	> 1500	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	13	N	ISO 6383-2
Thermal	Nominal Value	Unit	
Melting Temperature	101	°C	
Additional Information			
Data taken from 200 μm thickness film, blow up ratio 1:2.5, frost line height 50 cm.			
Extrusion	Nominal Value	Unit	
Melt Temperature	180	°C	

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