

# ALCUDIA® EBA PA-303

Ethylene Butyl Acrylate Copolymer  
REPSOL

Message:

EBA ALCUDIA® PA-303 is a copolymer suitable for blown film applications with good optical and mechanical properties even at low temperatures. The material has very good sealing properties. The butyl acrylate content is 3%.

TYPICAL APPLICATIONS

Shrink film  
Silage film  
Heavy-duty bags

Recommended melt temperature 180°C. Processing characteristics of PA-303 are similar to LDPE and conventional polyethylene extruders are recommended.

General Information			
Features	Optical		
	Good heat sealability		
	Compliance of Food Exposure		
Uses	Films		
	Shrinkable film		
	Heavy packing bag		
Agency Ratings	European food contact, not rated		
Processing Method	Blow film		
Physical	Nominal Value	Unit	Test Method
Density (23°C)	0.923	g/cm³	ISO 1183
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	0.30	g/10 min	ISO 1133
n-Butyl Acrylate Content	3.0	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	25.0	MPa	ISO 527-3
Tensile Elongation			ISO 527-3
MD: Fracture, 130 µm, blown film	500	%	ISO 527-3
TD: Fracture, 130 µm, blown film	700	%	ISO 527-3
Dart Drop Impact (130 µm, Blown Film)	600	g	ISO 7765-1
Elmendorf Tear Strength			ISO 6383-2
MD: 130 µm, blown film	4.0	N	ISO 6383-2
TD: 130 µm, blown film	6.0	N	ISO 6383-2
Optical	Nominal Value	Unit	Test Method
Gloss (45 °, 125 µm, blown film)	70		ASTM D2457

Haze (125 μm, blown film)	10	%	ASTM D1003
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	180	°C	

The information and data on this page are provided by manufacturers and document providers. SHANGHAI SUSHENG assumes no legal liability. It is strongly recommended to verify all technical data with material suppliers before final material selection. All rights belong to the original authors. If any infringement occurs, please contact us immediately.

#### Recommended distributors for this material

### 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

