

# ALCUDIA® EBA PA-1704

Ethylene Butyl Acrylate Copolymer  
REPSOL

Message:

EBA copolymer ALCUDIA® PA-1704 is a copolymer suitable for blown film applications where good processability, flexibility and good mechanical properties are required. The butyl acrylate content is 17%. It contains antioxidant additives.  
EBA ALCUDIA® PA-1704 fulfils the food contact regulations in most countries. For further information or certificates, contact our Customer Service Offices.

APPLICATIONS

Film extrusion  
Stretch hood film

Recommended melt temperature range is 160 to 180°C. EBA copolymers exhibit excellent thermal stability, which allows higher processing temperatures if needed. Processing characteristics of PA-1704 are similar to LDPE and conventional Polyethylene extruders are recommended.

General Information			
Additive	Antioxidation		
Features	Antioxidation		
	Workability, good		
	Good flexibility		
	Compliance of Food Exposure		
Uses	Films		
	Stretch winding		
Processing Method	Film extrusion		
	Blow film		

Physical	Nominal Value	Unit	Test Method
Density (23°C)	0.925	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	17.0	wt%	

Films	Nominal Value	Unit	Test Method
Film Thickness - Tested	100	µm	
Tensile Stress			ISO 527-3
MD: Broken, 100 µm, blown film	20.0	MPa	ISO 527-3
TD: Broken, 100 µm, blown film	22.0	MPa	ISO 527-3
Tensile Elongation			ISO 527-3
MD: Broken, 100 µm, blown film	700	%	ISO 527-3
TD: Broken, 100 µm, blown film	800	%	ISO 527-3
Dart Drop Impact (100 µm, Blown Film)	> 1400	g	ISO 7765-1
Elmendorf Tear Strength <sup>1</sup>			ISO 6383-2
MD : 100.0 µm	36.0	kN/m	ISO 6383-2

TD : 100.0 μm	39.0	kN/m	ISO 6383-2
Thermal	Nominal Value	Unit	
Melting Temperature	96.0	°C	
Additional Information			
Data taken from 100 μm thickness film, blow up ratio 1:2.5, frost line height 50 cm.			
Extrusion	Nominal Value	Unit	
Melt Temperature	160 - 180	°C	
NOTE			
1.	Blown Film		

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#### Recommended distributors for this material

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