## ALCUDIA® EVA PA-537

## Ethylene Vinyl Acetate Copolymer

REPSOL

## Message:

EVA copolymer ALCUDIA® PA-537 is suitable for film extrusion applications. This material combines easy processability with excellent mechanical and optical properties. It contains antioxidant additives. TYPICAL APPLICATIONS Film extrusion Co-extrusion. Applications in which low sealing temperature is required. Silage stretch film. Stretch hood. Recommended melt temperature below 200°C to avoid the decomposition of the polymer. Processing conditions should be optimised for each production line.

General Information			
Additive	Antioxidation		
Features	Low temperature heat sealability		
	Optical		
	Antioxidation		
	Workability, good		
	Compliance of Food Exposure		
Uses	Films		
	Stretch winding		
Agency Ratings	European food contact, not rated		
Processing Method	Film extrusion		
	Co-extrusion molding		
Physical	Nominal Value	Unit	Test Method
Density (23°C)	0.941	g/cm³	ISO 1183
Melt Mass-Flow Rate (MFR) (190°C/2.16			
kg)	0.70	g/10 min	ISO 1133
Vinyl Acetate Content	18.0	wt%	
Films	Nominal Value	Unit	Test Method
Film Thickness - Tested	100	μm	
Tensile Stress			ISO 527-3
MD: Broken, 100 µm, blown film	31.0	MPa	ISO 527-3
TD: Broken, 100 µm, blown film	32.0	MPa	ISO 527-3
Tensile Elongation			ISO 527-3
MD: Broken, 100 µm, blown film	800	%	ISO 527-3
TD: Broken, 100 μm, blown film	900	%	ISO 527-3

Dart Drop Impact (100 µm, Blown Film)	> 1400	g	ISO 7765-1	
Elmendorf Tear Strength			ISO 6383-2	
MD: 100 µm, blown film	2.4	Ν	ISO 6383-2	
TD: 100 µm, blown film	3.4	Ν	ISO 6383-2	
Thermal	Nominal Value	Unit	Test Method	
Vicat Softening Temperature	62.0	°C	ISO 306/A	
Melting Temperature	87.0	°C		
Optical	Nominal Value	Unit	Test Method	
Haze (100 μm, Blown Film)	4.0	%	ASTM D1003	
Additional Information				
Data taken from 100 µm thickness film, blow up ratio 2. 5:1, frost line height 50 cm.				
Extrusion	Nominal Value	Unit		
Melt Temperature	200	°C		

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Recommended distributors for this material

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