

ALCUDIA® EVA PA-536

Ethylene Vinyl Acetate Copolymer
REPSOL

Message:

EVA copolymer ALCUDIA® PA-536 is suitable for extrusion applications (sheets, profiles, pipes). This material combines easy processability with excellent mechanical properties. It contains antioxidant additives.

TYPICAL APPLICATIONS

Extrusion:

- sheets
- pipes
- profiles

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	Antioxidation
	Workability, good
	Compliance of Food Exposure
Uses	Piping system
	Sheet
	Profile
Agency Ratings	European food contact, not rated
Processing Method	Pipeline extrusion molding
	Extrusion
	Sheet extrusion molding
	Profile 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	N	ISO 6383-2
TD: 100 µm, blown film	3.4	N	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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