

# ALCUDIA® EVA PA-420-L

Ethylene Vinyl Acetate Copolymer  
REPSOL

Message:

EVA resin ALCUDIA® PA-420-L features low gel content and is recommended for extrusion coating applications, especially when high productions speeds are required. PA-420-L is also particularly suitable for co-extrusion with other polymers. It contains antioxidant and free flowing agent.

TYPICAL APPLICATIONS

- Extrusion coating
- Thermal adhesive layer in lamination (e.g. graphic arts)
- Co-extrusion
- Packaging films

PA-420-L is designed to be processed at temperatures as high as 220°C in high speed extrusion coating lines. Processing conditions should be optimised for each production line.

General Information	
Additive	Antioxidant
	Free Flowing Agent
Features	Antioxidant
	Food Contact Acceptable
	Low Gel
Uses	Coating Applications
	Film
	Laminates
	Packaging
Agency Ratings	EU Food Contact, Unspecified Rating
Processing Method	Coextrusion
	Extrusion Coating

Physical	Nominal Value	Unit	Test Method
Density (23°C)	0.940	g/cm <sup>3</sup>	ISO 1183
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	20	g/10 min	ISO 1133
Vinyl Acetate Content	20.0	wt%	
Hardness	Nominal Value	Unit	Test Method
Shore Hardness			ISO 868
Shore A	84		
Shore D	30		
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Break)	11.0	MPa	ISO 527-2
Tensile Strain (Break)	780	%	ISO 527-2

Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature	53.0	°C	ISO 306/A
Melting Temperature	82.0	°C	
Extrusion	Nominal Value	Unit	
Melt Temperature	220	°C	

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#### Recommended distributors for this material

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