

# ALCUDIA® EVA PA-441

Ethylene Vinyl Acetate Copolymer  
REPSOL

Message:

EVA resin ALCUDIA® PA-441 is recommended for hot melt adhesives and blends with waxes. It contains antioxidant and free flowing agent.

TYPICAL APPLICATIONS

- Hot Melt Adhesives
- Packaging
- Bookbinding
- Carpet backing
- Blends with bitumen and asphalts

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	Antioxidant		
	Free Flowing Agent		
Features	Food Contact Acceptable		
Uses	Adhesives		
	Carpet Backing		
	Packaging		
Agency Ratings	EU Food Contact, Unspecified Rating		
Physical	Nominal Value	Unit	Test Method
Density (23°C)	0.950	g/cm <sup>3</sup>	ISO 1183
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	25	g/10 min	ISO 1133
Vinyl Acetate Content	28.0	wt%	
Viscosity <sup>1</sup>			Internal Method
150°C	2.90	Pa · s	
175°C	1.60	Pa · s	
Ring and Ball Softening Point	120	°C	ASTM E28
Hardness	Nominal Value	Unit	Test Method
Shore Hardness			ISO 868
Shore A	78		
Shore D	26		
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Break)	12.0	MPa	ISO 527-2
Tensile Strain (Break)	790	%	ISO 527-2
Thermal	Nominal Value	Unit	Test Method
Melting Temperature	70.0	°C	
NOTE			

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#### Recommended distributors for this material

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