

# ALCUDIA® EVA PA-442

Ethylene Vinyl Acetate Copolymer  
REPSOL

Message:

EVA resin ALCUDIA® PA-442 is suitable for low viscosity hot melt adhesives and compatible with a large range of tack resins and waxes. It contains antioxidant and free flowing agent.

TYPICAL APPLICATIONS

Hot Melt Adhesives

Packaging

Bookbinding

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	Antioxidant		
	Food Contact Acceptable		
	Low Viscosity		
Uses	Adhesives		
	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)	150	g/10 min	ISO 1133
Vinyl Acetate Content	28.0	wt%	
Viscosity <sup>1</sup>			Internal Method
150°C	2.65	Pa · s	
175°C	1.50	Pa · s	
Ring and Ball Softening Point	89	°C	ASTM E28
Hardness	Nominal Value	Unit	Test Method
Shore Hardness (Shore A)	74		ISO 868
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Break)	5.00	MPa	ISO 527-2
Tensile Strain (Break)	700	%	ISO 527-2
Thermal	Nominal Value	Unit	Test Method
Melting Temperature	67.0	°C	
NOTE			
1.	Blend 40:60 PA-441/wax		

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