

# ALCUDIA® EVA PA-410

Ethylene Vinyl Acetate Copolymer  
REPSOL

Message:

EVA resin ALCUDIA® PA-410 is recommended for low viscosity hot melt adhesives especially when toughness and flexibility are required. It contains antioxidant and free flowing agent.

TYPICAL APPLICATIONS

Hot Melt Adhesives and Blends

Packaging

Carpet backing

Bookbinding

Rotational moulding

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		
	Good Flexibility		
	Good Toughness		
	Low Viscosity		
Uses	Adhesives		
	Carpet Backing		
	Packaging		
Agency Ratings	EU Food Contact, Unspecified Rating		
Processing Method	Rotational Molding		
Physical	Nominal Value	Unit	Test Method
Density (23°C)	0.937	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	18.0	wt%	
Hardness	Nominal Value	Unit	Test Method
Shore Hardness			ISO 868
Shore A	83		
Shore D	30		
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Break)	7.80	MPa	ISO 527-2
Tensile Strain (Break)	650	%	ISO 527-2

Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature	53.0	°C	ISO 306/A
Melting Temperature	81.0	°C	
Ring and Ball Softening Point	100	°C	ASTM E28
Brookfield Viscosity <sup>1</sup> (200°C)	45.6	Pa·s	Internal Method

#### NOTE

1. Spindle SC4-27

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#### Recommended distributors for this material

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