

# ALCUDIA® EVA PA-441-S

Ethylene Vinyl Acetate Copolymer  
REPSOL

Message:

EVA resin ALCUDIA® PA-441-S features low gel content and is specially designed for photovoltaic applications. It contains antioxidant and free flowing agent.

TYPICAL APPLICATIONS

Encapsulant in solar panels

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 Gel		
Uses	Solar Panels		
Agency Ratings	EU Food Contact, Unspecified Rating		
Physical	Nominal Value	Unit	Test Method
Density (23°C)	0.950	g/cm³	ISO 1183
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	25	g/10 min	ISO 1133
Vinyl Acetate Content	28.0	wt%	
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	
Ring and Ball Softening Point	120	°C	ASTM E28

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Recommended distributors for this material

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