

ALCUDIA® EVA PA-501

Ethylene Vinyl Acetate Copolymer
REPSOL

Message:

EVA copolymer ALCUDIA® PA-501 is suitable for injection, blow moulding and general extrusion applications when flexibility and toughness are required, even at low temperatures. It contains antioxidant additives.

TYPICAL APPLICATIONS

Extrusion

Blow moulding

Injection moulding. Release agents containing silicone must be avoided

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		
Features	Antioxidant		
	Food Contact Acceptable		
	Good Flexibility		
	Good Toughness		
	Low Temperature Toughness		
Uses	Blow Molding Applications		
Agency Ratings	EU Food Contact, Unspecified Rating		
Processing Method	Blow Molding		
	Extrusion		
	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density (23°C)	0.926	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	2.0	g/10 min	ISO 1133
Environmental Stress-Cracking Resistance (F50)	> 100	hr	ASTM D1693
Vinyl Acetate Content	7.5	wt%	
Hardness	Nominal Value	Unit	Test Method
Shore Hardness (Shore D)	46		ISO 868
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Break)	19.0	MPa	ISO 527-2
Tensile Strain (Break)	750	%	ISO 527-2
Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature	83.0	°C	ISO 306/A
Melting Temperature	103	°C	
Injection	Nominal Value	Unit	

Processing (Melt) Temp	200	°C
Extrusion	Nominal Value	Unit
Melt Temperature	200	°C

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