

# ALCUDIA® EVA PA-554

Ethylene Vinyl Acetate Copolymer  
REPSOL

## Message:

EVA copolymer ALCUDIA® PA-554 is suitable for injection moulding and extrusion. This material is specially recommended for those applications where flexibility, toughness and transparency are required. It contains antioxidant additives.

TYPICAL APPLICATIONS

Extrusion

Injection moulding. Release agents containing silicone must be avoided.

Microcellular foams

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		
Uses	Foam		
Agency Ratings	EU Food Contact, Unspecified Rating		
Processing Method	Extrusion		
	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density (23°C)	0.931	g/cm <sup>3</sup>	ISO 1183
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	4.0	g/10 min	ISO 1133
Environmental Stress-Cracking Resistance (F50)	> 100	hr	ASTM D1693
Vinyl Acetate Content	12.5	wt%	
Hardness	Nominal Value	Unit	Test Method
Shore Hardness (Shore D)	41		ISO 868
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Break)	14.0	MPa	ISO 527-2
Tensile Strain (Break)	650	%	ISO 527-2
Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature	72.0	°C	ISO 306/A
Melting Temperature	97.0	°C	
Injection	Nominal Value	Unit	
Processing (Melt) Temp	200	°C	
Extrusion	Nominal Value	Unit	

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Melt Temperature

200

°C

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#### Recommended distributors for this material

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