

# ALCUDIA® EVA PA-430

Ethylene Vinyl Acetate Copolymer  
REPSOL

Message:

EVA resin ALCUDIA® PA-430 is recommended for injection moulding as well as for blends with other products like waxes and mineral fillers. It contains antioxidant and free flowing agent.

TYPICAL APPLICATIONS

Injection moulding. Release agents containing silicone must be avoided

Blends with waxes

Manufacture of masterbatches

Microcellular foams

Extrusion of profiles and sheets with high flexibility

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		
Uses	Blending		
	Foam		
	Masterbatch		
	Profiles		
	Sheet		
Agency Ratings	EU Food Contact, Unspecified Rating		
Processing Method	Injection Molding		
	Profile Extrusion		
	Sheet Extrusion		
Physical	Nominal Value	Unit	Test Method
Density (23°C)	0.944	g/cm³	ISO 1183
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	3.0	g/10 min	ISO 1133
Vinyl Acetate Content	24.0	wt%	
Hardness	Nominal Value	Unit	Test Method
Shore Hardness			ISO 868
Shore A	79		
Shore D	29		

Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Break)	25.0	MPa	ISO 527-2
Tensile Strain (Break)	740	%	ISO 527-2
Thermal	Nominal Value	Unit	Test Method
Melting Temperature	77.0	°C	
Ring and Ball Softening Point	162	°C	ASTM E28
Brookfield Viscosity <sup>1</sup>			Internal Method
180°C	3728000	mPa·s	
200°C	6696000	mPa·s	
Injection	Nominal Value	Unit	
Processing (Melt) Temp	< 200	°C	
NOTE			

1. Spindle SC4-27

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#### Recommended distributors for this material

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