

ALCUDIA® EVA PA-538

Ethylene Vinyl Acetate Copolymer
REPSOL

Message:

EVA copolymer ALCUDIA® PA-538 is suitable for extrusion and injection moulding applications. This material combines flexibility and toughness. It contains antioxidant additives.

TYPICAL APPLICATIONS

Extrusion

Blow moulding

Injection moulding

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	Blow Molding Applications		
	Foam		
Agency Ratings	EU Food Contact, Unspecified Rating		
Processing Method	Blow Molding		
	Extrusion		
	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density (23°C)	0.937	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)	> 300	hr	ASTM D1693
Vinyl Acetate Content	18.0	wt%	
Hardness	Nominal Value	Unit	Test Method
Shore Hardness			ISO 868
Shore A	90		
Shore D	38		
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Break)	17.0	MPa	ISO 527-2
Tensile Strain (Break)	750	%	ISO 527-2

Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature	64.0	°C	ISO 306/A
Melting Temperature	87.0	°C	
Injection	Nominal Value	Unit	
Processing (Melt) Temp	200	°C	
Extrusion	Nominal Value	Unit	
Melt Temperature	200	°C	

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