

ALCUDIA® EVA PA-440

Ethylene Vinyl Acetate Copolymer
REPSOL

Message:

EVA resin ALCUDIA® PA-440 is recommended for hot melt adhesives applications, injection moulding and extrusion of profiles. It contains antioxidant and free flowing agent.

TYPICAL APPLICATIONS

Injection moulding. Release agents containing silicone must be avoided.

Hot Melt Adhesives

Packaging

Edge veneering

Shoe industry

Manufacture of masterbatches

Microcellular foams

Manufacture of sonic damping sheets

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		
Uses	Acoustic Barrier		
	Adhesives		
	Foam		
	Footwear		
	Masterbatch		
	Packaging		
	Profiles		
Agency Ratings	EU Food Contact, Unspecified Rating		
Processing Method	Extrusion		
	Injection Molding		
	Profile Extrusion		
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)	7.0	g/10 min	ISO 1133
Vinyl Acetate Content	28.0	wt%	
Hardness	Nominal Value	Unit	Test Method

Shore Hardness			ISO 868
Shore A	80		
Shore D	28		
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Break)	22.0	MPa	ISO 527-2
Tensile Strain (Break)	760	%	ISO 527-2
Thermal	Nominal Value	Unit	Test Method
Melting Temperature	75.0	°C	
Ring and Ball Softening Point	142	°C	ASTM E28
Brookfield Viscosity ¹ (200°C)	1770000	mPa·s	Internal Method
Injection	Nominal Value	Unit	
Processing (Melt) Temp	200	°C	
Extrusion	Nominal Value	Unit	
Melt Temperature	200	°C	
NOTE			
1.	Spindle SC4-27		

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