

ALCUDIA® EVA PA-420

Ethylene Vinyl Acetate Copolymer
REPSOL

Message:

EVA resin ALCUDIA® PA-420 is suitable for injection moulding. This material offers excellent flexibility. It contains antioxidant and free flowing agent.

TYPICAL APPLICATIONS

Injection moulding

Blends: microcrystalline and paraffin waxes

Modification of asphalts

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	Asphalt Modification		
	Blending		
Agency Ratings	EU Food Contact, Unspecified Rating		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density (23°C)	0.940	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	20	g/10 min	ISO 1133
Vinyl Acetate Content	20.0	wt%	
Hardness	Nominal Value	Unit	Test Method
Shore Hardness			ISO 868
Shore A	84		
Shore D	30		
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Break)	11.0	MPa	ISO 527-2
Tensile Strain (Break)	780	%	ISO 527-2
Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature	53.0	°C	ISO 306/A
Melting Temperature	82.0	°C	
Ring and Ball Softening Point	123	°C	ASTM E28
Brookfield Viscosity ¹			Internal Method

180°C	966	Pa·s
200°C	557	Pa·s
NOTE		
1.	Spindle SC4-27	

The information and data on this page are provided by manufacturers and document providers. SHANGHAI SUSHENG assumes no legal liability. It is strongly recommended to verify all technical data with material suppliers before final material selection. All rights belong to the original authors. If any infringement occurs, please contact us immediately.

Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519
Phone: +86 13424755533
Email: sales@su-jiao.com
No. 215, Lianhe North Road, Fengxian District, Shanghai, China

