ALCUDIA® EVA PA-540

Ethylene Vinyl Acetate Copolymer

REPSOL

Message:

EVA copolymer ALCUDIA® PA-540 is suitable for injection moulding and recommended for those applications where flexibility and toughness are required. It contains antioxidant additives.

TYPICAL APPLICATIONS

Injection moulding. Release agents containing silicone must be avoided.

Rotational moulding

General Information

Processing (Melt) Temp

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		
Agency Ratings	EU Food Contact, Unspecified Rating		
Processing Method	Injection Molding		
	Rotational Molding		
Physical	Nominal Value	Unit	Test Method
Density (23°C)	0.937	g/cm³	ISO 1183
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	10	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	36		
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Break)	16.0	MPa	ISO 527-2
Tensile Strain (Break)	700	%	ISO 527-2
Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature	59.0	°C	ISO 306/A
Melting Temperature	89.0	°C	
Injection	Nominal Value	Unit	
Dunanasia a (MA-IA) Tanan	200	9.0	

°C

200

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

