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
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**	
Processing (Melt) Temp	200	°C	

Recommended distributors for this material

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