

Alcudia® HEVA

Chemicals

Technical data sheet

**EVA ALCUDIA® PA-420**

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.

PROPERTIES	VALUE	UNIT	TEST METHOD
General			
Melt flow rate (190°C, 2.16kg)	20	g/10 min	ISO 1133
Vinyl acetate content	20	%	Internal
Density at 23 °C	940	kg/m ³	ISO 1183
Ring-ball softening point	123	°C	ASTM E-28
Vicat softening temperature (load 10 N)	53	°C	ISO 306
Melting point	82	°C	Internal
Viscosity Brookfield 180°C (Spindle SC4-27)	966000	cP	Internal
Viscosity Brookfield 200°C (Spindle SC4-27)	557000	cP	Internal
Mechanical			
Tensile strength at break	11	MPa	ISO 527-2
Elongation at break	780	%	ISO 527-2
Shore A hardness	84	-	ISO 868
Shore D hardness	30	-	ISO 868

EVA ALCUDIA® PA-420 complies with the European Directives regarding materials intended for contact with foodstuffs. For further information, please contact our Technical Service and Development Laboratory or our Customer Care Service.

STORAGE

EVA ALCUDIA® PA-420 should be stored in a dry atmosphere, on a paved, drained and not flooded area, at temperatures under 40°C and protected from UV radiation. Storage under inappropriate conditions could initiate degradation processes which may have a negative influence on the processability and the properties of the transformed product.

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