

ALCUDIA® EVA PA-443

Ethylene Vinyl Acetate Copolymer
REPSOL

Technical Data

Product Description

EVA resin ALCUDIA® PA-443 is recommended for low viscosity hot melt adhesives applications. It contains antioxidant and free flowing agent.

TYPICAL APPLICATIONS

- Hot Melt Adhesives
- Packaging
- Bookbinding

Recommended melt temperature below 200°C to avoid the decomposition of the polymer. Processing conditions should be optimised for each production line.

General

Material Status	• Commercial: Active
Literature ¹	• Technical Datasheet (English)
Search for UL Yellow Card	• REPSOL
Availability	• Europe • North America
Additive	• Antioxidant • Free Flowing Agent
Features	• Antioxidant • Food Contact Acceptable • Low Viscosity
Uses	• Adhesives • Packaging
Agency Ratings	• EU Food Contact, Unspecified Rating

Physical	Nominal Value (English)	Nominal Value (SI)	Test Method
Density (73°F (23°C))	0.950 g/cm ³	0.950 g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	400 g/10 min	400 g/10 min	ISO 1133
Vinyl Acetate Content	28.0 wt%	28.0 wt%	
Mechanical	Nominal Value (English)	Nominal Value (SI)	Test Method
Tensile Stress (Break)	435 psi	3.00 MPa	ISO 527-2
Tensile Strain (Break)	600 %	600 %	ISO 527-2
Hardness	Nominal Value (English)	Nominal Value (SI)	Test Method
Shore Hardness (Shore A)	71	71	ISO 868
Thermal	Nominal Value (English)	Nominal Value (SI)	Test Method
Melting Temperature	154 °F	68.0 °C	
Ring and Ball Softening Point	185 °F	85 °C	ASTM E28
Fill Analysis	Nominal Value (English)	Nominal Value (SI)	Test Method
Brookfield Viscosity ³			Internal Method
356°F (180°C)	29.8 Pa·s	29.8 Pa·s	
392°F (200°C)	18.2 Pa·s	18.2 Pa·s	

Notes

¹ These links provide you with access to supplier literature. We work hard to keep them up to date; however you may find the most current literature from the supplier.

² Typical properties: these are not to be construed as specifications.

³ Spindle SC4-27

