

ALCUDIA® EVA PA-461

Ethylene Vinyl Acetate Copolymer
REPSOL

Message:

EVA resin ALCUDIA® PA-461 is recommended for hot melt adhesives applications, when toughness and flexibility are required. It contains antioxidant and free flowing agent.

TYPICAL APPLICATIONS

Hot Melt Adhesives

Packaging

Bookbinding

Pressure sensitive adhesive coatings

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 | | |
| | Good Toughness | | |
| Uses | Adhesives | | |
| | Coating Applications | | |
| | Packaging | | |
| Agency Ratings | EU Food Contact, Unspecified Rating | | |
| Physical | Nominal Value | Unit | Test Method |
| Density (23°C) | 0.956 | g/cm ³ | ISO 1183 |
| Melt Mass-Flow Rate (MFR) (190°C/2.16 kg) | 45 | g/10 min | ISO 1133 |
| Vinyl Acetate Content | 33.0 | wt% | |
| Hardness | Nominal Value | Unit | Test Method |
| Shore Hardness (Shore A) | 73 | | ISO 868 |
| Mechanical | Nominal Value | Unit | Test Method |
| Tensile Stress (Break) | 5.00 | MPa | ISO 527-2 |
| Tensile Strain (Break) | 850 | % | ISO 527-2 |
| Thermal | Nominal Value | Unit | Test Method |
| Melting Temperature | 59.0 | °C | |
| Ring and Ball Softening Point | 112 | °C | ASTM E28 |
| Brookfield Viscosity ¹ | | | Internal Method |
| 180°C | 293 | Pa · s | |

| | | |
|-------|-----|------|
| 200°C | 169 | Pa·s |
| NOTE | | |

1. Spindle SC4-27

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