

Elvax® 3124

Ethylene Vinyl Acetate Copolymer
DuPont Packaging & Industrial Polymers

Message:

DuPont™ Elvax® 3124 is an extrudable ethylene-vinyl acetate copolymer resin available in pellet form for use in conventional extrusion equipment designed to process polyethylene resins.

Composition

9.0 % By Weight Vinyl Acetate comonomer content

Thermal Stabilizer: BHT antioxidant

Applications

This resin is designed to provide a low temperature heat seal to itself or many other materials commonly used in flexible packaging applications. The melt properties of this resin allow it to be processed on extrusion coating and cast film equipment over a wide range of line speeds and film thicknesses. Typically, cast film of this grade is adhesive laminated to polyester or other substrates as required by the application.

| General Information | | | |
|---------------------|----------------------------------|-------------------|---------------------|
| Additive | Antioxidant | | |
| | Heat Stabilizer | | |
| Features | Antioxidant | | |
| | Copolymer | | |
| | Food Contact Acceptable | | |
| | Good Flexibility | | |
| | Good Heat Seal | | |
| | Heat Stabilized | | |
| | Low Temperature Heat Sealability | | |
| Uses | Cast Film | | |
| | Coating Applications | | |
| | Film | | |
| | Packaging | | |
| Agency Ratings | FDA 21 CFR 177.1350(a)(1) | | |
| Forms | Pellets | | |
| Processing Method | Cast Film | | |
| | Coating | | |
| | Coextruded Film | | |
| | Coextrusion | | |
| | Extrusion Coating | | |
| | Film Extrusion | | |
| Physical | Nominal Value | Unit | Test Method |
| Specific Gravity | 0.930 | g/cm ³ | ASTM D792, ISO 1183 |

| Melt Mass-Flow Rate (MFR) (190°C/2.16 kg) | 7.0 | g/10 min | ASTM D1238, ISO 1133 |
|---|---------------|----------|----------------------|
| Vinyl Acetate Content | 9.0 | wt% | |
| Thermal | Nominal Value | Unit | Test Method |
| Vicat Softening Temperature | 77.0 | °C | ASTM D1525, ISO 306 |
| Peak Melting Temperature | 98.0 | °C | ASTM D3418, ISO 3146 |
| Freezing Point ¹ | | | |
| -- | 79 | °C | ISO 3146 |
| -- | 79 | °C | ASTM D3418 |
| Extrusion | Nominal Value | Unit | |
| Melt Temperature | < 235 | °C | |
| NOTE | | | |
| 1. | DSC | | |

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