



FUSABOND™ E100

Functional Polymer

| Description | | | |
|---------------------------------|--|----------------|----------|
| Product Description | FUSABOND™ E100 is an anhydride modified high density polyethylene, mainly intended for use as a component in a blend with other polymers including polyolefins and polyamides. It is not intended for extrusion in its pure form in typical extrusions or coextrusions. Available in pellet form for use in conventional extrusion and coextrusion equipment designed to process polyethylene (PE) resins. | | |
| Restrictions | | | |
| Material Status | Commercial: Active | | |
| Typical Characteristics | | | |
| Uses | Polymer Modifier | | |
| Typical Properties | | | |
| Physical | Nominal Values | Test Method(s) | |
| *Density () | 0.954 g/cm ³ | ASTM D792 | ISO 1183 |
| *Melt Flow Rate (190°C/2.16kg) | 2 g/10 min | ASTM D1238 | ISO 1133 |
| Thermal | Nominal Values | Test Method(s) | |
| *Melting Point (DSC) | 134 °C (273.2 °F) | ASTM D3418 | ISO 3146 |
| Freezing Point (DSC) | 115 °C (239 °F) | ASTM D3418 | ISO 3146 |
| Vicat Softening Point () | 127 °C (260.6 °F) | ASTM D1525 | ISO 306 |
| Processing Information | | | |
| *Maximum Processing Temperature | 300 °C (572 °F) | | |
| FDA Status Information | FUSABOND™ E100 Resin complies with Food and Drug Administration Regulation 21 CFR 175.105 - - Adhesives. This Regulation describes adhesives that may be used as components of articles intended for use in packaging, transporting, or holding food, subject to the limitations and requirements therein. The information and certifications provided herein are based on data we believe to be reliable, to the best of our knowledge. The information and certifications apply only to the specific material designated herein as sold by Dow and do not apply to use in any process or in combination with any other material. They are provided at the request of and without charge to our customers. Accordingly, Dow cannot guarantee or warrant such certifications or information and assumes no liability for their use. | | |
| Regulatory Information | For information on regulatory compliance outside the U.S.A., consult your local Dow representative. | | |
| Safety & Handling | For information on appropriate Handling & Storage of this polymeric resin, please refer to the material Safety Data Sheet. A Product Safety Bulletin, material Safety Data Sheet, and/or more detailed information on extrusion processing and/or compounding of this polymeric resin for specific applications are available from your Dow representative. | | |

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- c. use as a critical component in medical devices that support or sustain human life; or
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