

DuPont™ Fusabond® M 603

Fusabond® resins Product Data Sheet

Description

Product Description Fusabond® M603 Resin is a random ethylene copolymer, incorporating a monomer which is classified as being a maleic anhydride equivalent for application uses

The exact composition is considered to be proprietary information.

Restrictions

Material Status

- Commercial: Active

Typical Characteristics

Applications Fusabond® M603 is used in a variety of applications where adhesion improvements are needed for coatings, or compatibilization is need for compounds. In these applications, the Fusabond® resin is typically dry blended with a polyolefin matrix polymer for further processing.

Examples include: Adhesives, Polymer Modification, Wood-Plastic Composites

Typical Properties

| Physical | Nominal Values | Test Method (s) | |
|-------------------------------|-------------------------|-----------------|----------|
| Density () | 0.940 g/cm ³ | ASTM D792 | ISO 1183 |
| Melt Flow Rate (190°C/2.16kg) | 25 g/10 min | ASTM D1238 | ISO 1133 |
| Thermal | Nominal Values | Test Method (s) | |
| Melting Point (DSC) | 108°C (226°F) | ASTM D3418 | ISO 3146 |

Processing Information

General

Maximum Processing Temperature 260°C (500°F)

FDA Status Information

Fusabond® M603 complies with the Code of Federal Regulations, Title 21, Paragraph 175.105, covering the use of adhesive interlayers in composite packages for food use. This regulation describes adhesives that may be safely used as components of articles intended for use in packaging, transporting or holding food. This regulation requires that either (1) the adhesive is separated from the food by a functional barrier, or (2) the quantity of adhesive which contacts fatty or aqueous foods does not exceed the trace amounts at the seams or edges. Customers should satisfy themselves that the food contact material is serving as a functional barrier to the adhesive.

Regulatory Information

For information on regulatory compliance outside the U.S., consult your local DuPont representative.

Safety & Handling

Fusabond® resins supplied by DuPont are not considered a hazardous material. As with any hot material, care should be taken to protect the hands and other exposed parts of the body when handling molten polymer. At recommended processing temperatures, small amounts of fumes may evolve from the resins. When resins are overheated, more extensive decomposition may occur. Adequate ventilation should be provided to remove the fumes from the work area. Disposal of scrap presents no special problems and can be by landfill or incineration in a properly operated incinerator. Disposal should comply with local, state, and federal regulations. Resin pellets can be a slipping hazard. Loose pellets should be swept up promptly to prevent falls.

For more detailed information on the safe handling and disposal of these resins, a Product Safety Bulletin and OSHA Material Safety Data Sheets can be obtained from the Regional Office serving you.

Read and Understand the Material Safety Data Sheet (MSDS) before using this product

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