



## FUSABOND™ M603

### Functional Polymer

#### 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 ( )	0.94 g/cm <sup>3</sup>	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 ( 226.4 °F )	ASTM D3418	ISO 3146

#### Processing Information

\*Maximum Processing Temperature 260 °C ( 500 °F )

**FDA Status Information** For information on regulatory compliance within the U.S.A., consult your local Dow representative.

**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.

#### Product Stewardship

The Dow Chemical Company and its subsidiaries ("Dow") has a fundamental concern for all who make, distribute, and use its products, and for the environment in which we live. This concern is the basis for our Product Stewardship philosophy by which we assess the safety, health, and environmental information on our products and then take appropriate steps to protect employee and public health and our environment. The success of our Product Stewardship program rests with each and every individual involved with Dow products – from the initial concept and research, to manufacture, use, sale, disposal, and recycle of each product.

## Customer Notice

Dow strongly encourages its customers to review both their manufacturing processes and their applications of Dow products from the standpoint of human health and environmental quality to ensure that Dow products are not used in ways for which they are not intended or tested. Dow personnel are available to answer your questions and to provide reasonable technical support. Dow product literature, including safety data sheets, should be consulted prior to use of Dow products. Current safety data sheets are available from Dow.

## Medical Applications Policy

**NOTICE REGARDING MEDICAL APPLICATION RESTRICTIONS:** Dow will not knowingly sell or sample any product or service ("Product") into any commercial or developmental application that is intended for:

- a. long-term or permanent contact with internal bodily fluids or tissues. "Long-term" is contact which exceeds 72 continuous hours (or for PELLETHANE™ Polyurethane Elastomers only, which exceeds 30 days);
- b. use in cardiac prosthetic devices regardless of the length of time involved ("cardiac prosthetic devices" include, but are not limited to, pacemaker leads and devices, artificial hearts, heart valves, intra-aortic balloons and control systems, and ventricular bypass-assisted devices);
- c. use as a critical component in medical devices that support or sustain human life; or
- d. use specifically by pregnant women or in applications designed specifically to promote or interfere with human reproduction.

Dow requests that customers considering use of Dow products in medical applications notify Dow so that appropriate assessments may be conducted.

Dow does not endorse or claim suitability of its products for specific medical applications. It is the responsibility of the medical device or pharmaceutical manufacturer to determine that the Dow product is safe, lawful, and technically suitable for the intended use. **DOW MAKES NO WARRANTIES, EXPRESS OR IMPLIED, CONCERNING THE SUITABILITY OF ANY DOW PRODUCT FOR USE IN MEDICAL APPLICATIONS.**

## Disclaimer

**NOTICE:** No freedom from infringement of any patent owned by Dow or others is to be inferred. Because use conditions and applicable laws may differ from one location to another and may change with time, the Customer is responsible for determining whether products and the information in this document are appropriate for the Customer's use and for ensuring that the Customer's workplace and disposal practices are in compliance with applicable laws and other governmental enactments. Dow assumes no obligation or liability for the information in this document. **NO WARRANTIES ARE GIVEN; ALL IMPLIED WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE ARE EXPRESSLY EXCLUDED.**

**NOTICE:** If products are described as "experimental" or "developmental": (1) product specifications may not be fully determined; (2) analysis of hazards and caution in handling and use are required; (3) there is greater potential for Dow to change specifications and/or discontinue production; and (4) although Dow may from time to time provide samples of such products, Dow is not obligated to supply or otherwise commercialize such products for any use or application whatsoever.

## Additional Information

### North America

U.S. & Canada: 1-800-441-4369  
1-989-832-1426  
Mexico: +1-800-441-4369

South Africa +800-99-5078

### Europe/Middle East

All Countries +31-11567-2626  
+800-3694-6367  
Italy: +800-783-825

Asia Pacific +800-7776-7776  
+60-3-7958-5392

### Latin America

Argentina: +54-11-4319-0100  
Brazil: +55-11-5188-9000  
Colombia: +57-1-219-6000  
Mexico: +52-55-5201-4700

<http://www.dow.com>

Published August 2019

© 2019 The Dow Chemical Company