



## Dow Packaging & Specialty Plastics

### Product Data Sheet

#### FUSABOND™ N493

#### Functional Polymer

##### General Information

**Product Description** FUSABOND™ N493 is an anhydride modified ethylene copolymer.

##### Status

**Material Status** Commercial: Active

##### Typical Characteristics

**Uses** Polymer Modifier

**Composition** Medium% By Weight Maleic Anhydride  
Graft levels are defined as:  
Low < 0.2%; Medium 0.2-0.5%; High 0.5-1.0%; Ultra high > 1.0%

**Applications** ~ Impact modifier for polyamide blends.  
~ Blends for golf balls covers.  
~ Compatibilizer for flame retardant fillers in non-halogen flame retardant polyolefin-based wire and cable compounds.  
~ Compatibilizer or adhesion promoter between polyolefins and metals, polyamide, cellulose, and glass fibers.

##### Typical Properties

| Physical                              | Nominal Values         | Test Method(s) |          |
|---------------------------------------|------------------------|----------------|----------|
| *Density ( )                          | 0.87 g/cm <sup>3</sup> | ASTM D792      | ISO 1183 |
| *Melt Flow Index ( 190°C/2.16kg )     | 1.6 g/10 min           | ASTM D1238     | ISO 1133 |
| Thermal                               | Nominal Values         | Test Method(s) |          |
| *Melting Point ( DSC )                | 51 °C ( 123.8 °F )     | Dow Method     |          |
| Freezing Point ( DSC )                | 31 °C ( 87.8 °F )      | Dow Method     |          |
| *Glass Transition Temperature ( DSC ) | -55 °C ( -67 °F )      | Dow Method     |          |

##### Processing Information

\*Maximum Processing Temperature 300 °C ( 572 °F )

**Regulatory Information** For information on regulatory compliance within or 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

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.

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For further information contact your Dow sales or technical representative to request a Medical Application Review Request Form.

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<https://www.dow.com/en-us/support/product-safety.html>

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## Harmful Applications Policy

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[http://www.dow.com/products\\_services](http://www.dow.com/products_services)

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**P&SP Disclaimer**

**Additional Information**

To contact Dow via Toll-Free or Local Toll phone numbers in specific countries, please see the following webpage:  
<https://www.dow.com/en-us/support/contact-representative.html>

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