



Dow Packaging & Specialty Plastics

Product Data Sheet

FUSABOND™ N216

Functional Polymer

General Information

Product Description FUSABOND™ N216 is an anhydride modified ethylene elastomer.

Status

Material Status Commercial: Active

Typical Characteristics

Composition High% 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 with high MAH grafting level.
~ 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 ()	0.875 g/cm ³	ASTM D792	ISO 1183
*Melt Flow Index (190°C/2.16kg)	1.3 g/10 min	ASTM D1238	ISO 1133
Thermal	Nominal Values	Test Method(s)	
*Melting Point (DSC)	63 °C (145.4 °F)	Dow Method	
Freezing Point (DSC)	42 °C (107.6 °F)	Dow Method	
*Glass Transition Temperature (DSC)	-54 °C (-65.2 °F)	Dow Method	
Vicat Softening Point ()	40 °C (104 °F)	ASTM D1525	ISO 306

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.

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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

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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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