



## FUSABOND™ E588

### Functional Polymer

#### Description

**Product Description** FUSABOND™ E588 is an anhydride modified polyethylene.

#### Restrictions

**Material Status** Commercial: Active

#### Typical Characteristics

**Uses** Wire & Cable Applications

**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** Wire & Cable sheathing coupling agent

#### Typical Properties

Physical	Nominal Values	Test Method(s)	
*Density ( displacement method )	0.93 g/cm <sup>3</sup>	ASTM D792	ISO 1183
*Melt Flow Rate ( 190°C/2.16kg )	1.75 g/10 min	ASTM D1238	ISO 1133
Thermal	Nominal Values	Test Method(s)	
*Melting Point ( DSC )	120 °C ( 248 °F )	ASTM D3418	ISO 3146
Freezing Point ( DSC )	102 °C ( 215.6 °F )	ASTM D3418	ISO 3146
Vicat Softening Point ( )	95 °C ( 203 °F )	ASTM D1525	ISO 306

#### Processing Information

\*Maximum Processing Temperature 290 °C ( 554 °F )

**FDA Status Information** FUSABOND™ E588 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.

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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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