

## DuPont™ Fusabond® E589

### Fusabond® Adhesive resins Product Data Sheet

#### Description

Product Description DuPont™ Fusabond® E589 is an anhydride modified polyethylene.

#### Restrictions

Material Status • Commercial: Active

#### Typical Characteristics

Uses • Adhesives  
Pipe Coating  
Tie-Layer

Features Premium adhesive for Pipe Coating tie-layer at high surface temperatures. ( 90°C)

#### Typical Properties

Physical	Nominal Values	Test Method(s)	
Density ( )	0.937 g/cm <sup>3</sup>	ASTM D792	ISO 1183
Melt Flow Rate (190°C/2.16kg)	2.1 g/10 min	ASTM D1238	ISO 1133
Thermal	Nominal Values	Test Method(s)	
Melting Point (DSC)	119°C (246°F)	ASTM D3418	ISO 3146
Freezing Point (DSC)	106°C (223°F)	ASTM D3418	
Vicat Softening Point ( )	99°C (210°F)	ASTM D1525	ISO 306

#### Additional

Adhesive Evaluation Lap Shear @ 23°C = ASTM D1002 = 1376 lbf

#### Processing Information

##### General

Maximum Processing Temperature 290°C (554°F)

#### Safety & Handling

As with any hot material, care should be taken to protect the hands and other exposed parts of the body when working with molten polymer.

At temperatures above 290°C (554°F), these resins can evolve low concentration of fumes. When resins are overheated, more extensive decomposition may occur.

Because fumes produced during exposure to high temperatures may be combustible, exposure of overheated resin to atmospheric oxygen should be avoided if possible. Adequate local ventilation should be provided to remove the fumes from the work area.

Disposal of scrap material presents no special problems, and may be accomplished by landfill or by incineration by 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

### Regional Centres

DuPont operates in more than 70 countries. For help finding a local representative, please contact one of the following regional customer contact centers:

#### Americas

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