

## DuPont™ Fusabond® N416

### Fusabond® resins Product Data Sheet

#### Description

Product Description      Fusabond® N416 is a chemically modified ethylene elastomer.

#### Restrictions

Material Status      • Commercial: Active  
 Availability      • Globally

#### Typical Characteristics

Uses      • Polymer Modifier  
 Applications      Polyamide Modification

#### Typical Properties

Physical	Nominal Values	Test Method(s)	
Density ( )	0.869 g/cm <sup>3</sup>	ASTM D792	ISO 1183
Melt Flow Rate (280°C/2.16kg)	23 g/10 min	ASTM D1238	ISO 1133
Thermal	Nominal Values	Test Method(s)	
Melting Point (DSC)	43°C (109°F)	ASTM D3418	ISO 3146
Freezing Point (DSC)	17°C (63°F)	ASTM D3418	

#### Processing Information

##### General

Maximum Processing Temperature      285°C (545°F)

##### FDA Status Information

Fusabond N416 resin conforms with the Code of Federal Regulations, Title 21, Paragraph 175.105, covering the use of adhesive interlayers in composite packages for food use. This regulation describes adhesives which may be safely used as components of articles intended for use in packaging, transporting or holding food. This regulation requires that either (1) the adhesive is separated from the food by a functional barrier, or (2) the quantity of adhesive which contacts fatty or aqueous foods does not exceed the trace amounts at the seams or edges. Customers should satisfy themselves that the food contact material is serving as a functional barrier to the adhesive.

##### 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 285°C (545°F), these resins can evolve low concentrations 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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