# Fusabond® Adhesive resins  Product Data Sheet

## Description

**Product Description**

DuPont™ Fusabond® E158 is an anhydride modified polyethylene.

## Restrictions

**Material Status**

- Commercial: Active

**Availability**

- Globally

## Typical Characteristics

**Uses**

- Adhesives
- Pipe Coating
- Tie-Layer

## Typical Properties

**Physical**

<table>
<thead>
<tr>
<th>Property</th>
<th>Nominal Values</th>
<th>Test Method(s)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Density (g/cm³)</td>
<td>0.927</td>
<td>ASTM D792, ISO 1183</td>
</tr>
<tr>
<td>Melt Flow Rate (190°C/2.16kg)</td>
<td>1.8 g/10 min</td>
<td>ASTM D1238, ISO 1133</td>
</tr>
</tbody>
</table>

**Thermal**

<table>
<thead>
<tr>
<th>Property</th>
<th>Nominal Values</th>
<th>Test Method(s)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Melting Point (DSC)</td>
<td>128°C (262°F)</td>
<td>ASTM D3418, ISO 3146</td>
</tr>
<tr>
<td>Freezing Point (DSC)</td>
<td>113°C (235°F)</td>
<td>ASTM D3418, ISO 3146</td>
</tr>
<tr>
<td>Vicat Softening Point ()</td>
<td>102°C (216°F)</td>
<td>ASTM D1525, ISO 306</td>
</tr>
</tbody>
</table>

**Additional**

**Adhesive Evaluation**

Lap Shear @ 23°C = ASTM D1002 = 1644 psi

## Processing Information

**General**

- Maximum Processing Temperature 290°C (554°F)

## 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 DuPont Packaging and Industrial Polymers representative.
Polymers representative.

Read and Understand the Material Safety Data Sheet (MSDS) before using this product

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