

DuPont™ Fusabond® E158 Polymer Modifier

Categories: [Polymer](#); [Thermoplastic](#); [Adhesives, Sealants, and Coatings](#)

Material Notes: DuPont™ Fusabond® E158 is a anhydride modified polyethylene.

Uses:

- Adhesives
- Pipe Coating
- Tie-Layer

Vendors: No vendors are listed for this material. Please [click here](#) if you are a supplier and would like information on how to add your listing to this material.

Physical Properties	Metric	English	Comments
Density	0.927 g/cc	0.0335 lb/in³	
Melt Flow	1.8 g/10 min @Load 2.16 kg, Temperature 190 °C	1.8 g/10 min @Load 4.76 lb, Temperature 374 °F	ASTM D1238, ISO 1133

Mechanical Properties	Metric	English	Comments
Adhesive Bond Strength	11.33 MPa	1644 psi	Lap Shear; ASTM D1002

Thermal Properties	Metric	English	Comments
Melting Point	113 °C	235 °F	Freezing Point; ASTM D3418
	128 °C	262 °F	ASTM D3418
Vicat Softening Point	102 °C	216 °F	ASTM D1525, ISO 306

Processing Properties	Metric	English	Comments
Processing Temperature	<= 290 °C	<= 554 °F	

Some of the values displayed above may have been converted from their original units and/or rounded in order to display the information in a consistent format. Users requiring more precise data for scientific or engineering calculations can click on the property value to see the original value as well as raw conversions to equivalent units. We advise that you only use the original value or one of its raw conversions in your calculations to minimize rounding error. We also ask that you refer to MatWeb's [terms of use](#) regarding this information. [Click here](#) to view all the property values for this datasheet as they were originally entered into MatWeb.