



Fusabond® E158

DuPont Packaging & Industrial Polymers - Polyethylene

Tuesday, November 5, 2019

General Information

Product Description

DuPont™ Fusabond® E100 is an anhydride modified high density polyethylene.

Uses

- Adhesives
- Pipe Coating
- Tie-Layer

General

Material Status	• Commercial: Active		
Availability	• Africa & Middle East • Asia Pacific	• Europe • Latin America	• North America
Features	• High Density		
Uses	• Adhesives	• Pipe Coatings	• Tie-Layer
Forms	• Pellets		

ASTM & ISO Properties ¹

Physical	Nominal Value	Unit	Test Method
Density / Specific Gravity	0.929		ASTM D792
Density	0.927	g/cm ³	ISO 1183
Melt Mass-Flow Rate (190°C/2.16 kg)	1.8	g/10 min	ASTM D1238
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	1.8	g/10 min	ISO 1133

Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature	216	°F	ASTM D1525
Vicat Softening Temperature	216	°F	ISO 306
Peak Melting Temperature	262	°F	ASTM D3418
Melting Temperature (DSC)	262	°F	ISO 3146
Freezing Point			
--	235	°F	ASTM D3418
--	235	°F	ISO 3146

Additional Information	Nominal Value	Unit	Test Method
Lap Shear (73°F)	1644	psi	ASTM D1002
Maximum Processing Temperature	554	°F	

Notes

¹ Typical properties: these are not to be construed as specifications.