

Fusabond® E MB100D

High Density Polyethylene
DuPont Packaging & Industrial Polymers



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Technical Data

Product Description

DuPont™ Fusabond® E MB100D is a chemically modified polyethylene. Compatibilizer; coupling agent for nonhalogen, flame-retarded Wire & Cable compounds containing fillers such as aluminum trihydrate (ATH) or magnesium hydroxide (Mg(OH)₂) or for natural fiber (wood) plastic compounds.

General

Material Status	• Commercial: Active		
Search for UL Yellow Card	• DuPont Packaging & Industrial Polymers		
Availability	• Africa & Middle East • Asia Pacific	• Europe • Latin America	• North America • South America
Features	• High Density		
Agency Ratings	• FDA 21 CFR 175.105		
Forms	• Pellets		

Physical	Nominal Value Unit	Test Method
Specific Gravity	0.960 g/cm ³	ASTM D792

Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	2.0 g/10 min	ASTM D1238 ISO 1133
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Mechanical	Nominal Value Unit	Test Method
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Tensile Strength		
Yield, 20°C ²	26.0 MPa	ASTM D638
Break, 20°C ²	29.0 MPa	ASTM D638
Break, 20°C	29.0 MPa	ISO 527-2/1270

Tensile Elongation		
Break, 20°C ²	1300 %	ASTM D638
Break, 20°C	1300 %	ISO 527-2/1270

Hardness	Nominal Value Unit	Test Method
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Durometer Hardness (Shore D)	70	ASTM D2240 ISO 868
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Thermal	Nominal Value Unit	Test Method
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Brittleness Temperature	-70.0 °C	ASTM D746
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Vicat Softening Temperature	127 °C	ASTM D1525 ISO 306
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Melting Temperature	134 °C	DSC ISO 3146
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Notes

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

² Type IV, 1300 mm/min

Fusabond® E MB100D

High Density Polyethylene

DuPont Packaging & Industrial Polymers

Where to Buy

Supplier

DuPont Packaging & Industrial Polymers

Wilmington, DE USA

Telephone: 800-628-6208

Web: http://www2.dupont.com/Packaging_Resins/en_US/

Distributor

Nexeo Solutions

Telephone: 888-594-6009

Web: <http://www.nexeosolutions.com/>

Availability: North America

PolyOne Distribution

PolyOne Distribution is a global distribution company. Contact PolyOne Distribution for availability of individual products by country.

Telephone: 800-894-4266

Web: <http://polyonedistribution.com/>

Availability: Global



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