



Fusabond® E100

DuPont Packaging & Industrial Polymers - High Density Polyethylene

Tuesday, November 5, 2019

General Information

Product Description

DuPont™ Fusabond® E100 is an anhydride modified high density polyethylene, mainly intended for use as a component in a blend with other polymers including polyolefins and polyamides. It is not intended for extrusion in its pure form in typical extrusions or coextrusions. Available in pellet form for use in conventional extrusion and coextrusion equipment designed to process polyethylene (PE) resins.

Uses

- Polymer Modifier

General

Material Status	• Commercial: Active		
Availability	• Africa & Middle East • Asia Pacific	• Europe • Latin America	• North America
Features	• Food Contact Acceptable	• High Density	
Uses	• Blending		
Agency Ratings	• FDA 21 CFR 175.105		
Forms	• Pellets		

ASTM & ISO Properties ¹

Physical	Nominal Value	Unit	Test Method
Density / Specific Gravity	0.956		ASTM D792
Density	0.954	g/cm ³	ISO 1183
Melt Mass-Flow Rate (190°C/2.16 kg)	2.0	g/10 min	ASTM D1238
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	2.0	g/10 min	ISO 1133
Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature	261	°F	ASTM D1525
Vicat Softening Temperature	261	°F	ISO 306
Peak Melting Temperature	273	°F	ASTM D3418
Melting Temperature (DSC)	273	°F	ISO 3146
Freezing Point			
--	239	°F	ASTM D3418
--	239	°F	ISO 3146
Additional Information	Nominal Value	Unit	
Maximum Processing Temperature	572	°F	

Notes

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