

Fusabond® E100

High Density Polyethylene

DuPont Packaging & Industrial Polymers

Message:

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 Information			
Features	High density		
Uses	Mixing		
Agency Ratings	FDA 21 CFR 175.105		
Forms	Particle		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.954	g/cm ³	ASTM D792, ISO 1183
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	2.0	g/10 min	ASTM D1238, ISO 1133
Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature	127	°C	ASTM D1525, ISO 306
Peak Melting Temperature	134	°C	ASTM D3418, ISO 3146
Freezing Point - (DSC)	115	°C	ASTM D3418
Additional Information			
Maximum Processing Temperature: 300°C (572°F)			
Extrusion	Nominal Value	Unit	
Melt Temperature	< 300	°C	

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