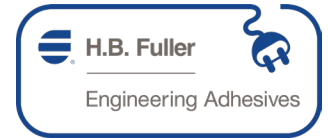




EV Bond 375



Technical Data Sheet

Flame-retardant Polyurethane Adhesive



EV Bond 375 is a two-part, flame-retardant polyurethane adhesive system designed to withstand sustained loads. It is ideal for bonding metals, as well as plastics, including composites, acrylics, and polycarbonate.

Technology/Base:	Polyurethane
Type of Product:	Two-component polyurethane
Components:	Polyol and isocyanate curative
Curing:	Room temperature
Appearance / Color:	Off-white
Consistency:	Medium viscosity



Features and Benefits



- Self-extinguishing material
- Bonds to plastic and metal substrates
- Available in dual barrel cartridge for easy dispensing
- Does not contain UV328



EV Bond 375



Technical Data

Technical Properties				
Property	Value Title			Condition/Method
Un-Cured Properties	A	B	Blend	Brookfield RV @ 75°F
Viscosity (cps)	28,000	3,800		
Density (lb.-mass/gal)	10.94	10.23	10.85	
Density (g/cm ³)	1.31	1.22	1.30	
Color	Beige	Brown	Beige	
Blend Ratio by Weight (g)	100	46.3		
Blend Ratio by Volume (mL)	100	50		
Shelf Life (days)	365	180		At 77°F, 100 grams
Gel Time (minutes)	--	--	22	
Cured Physical Properties				60s vertical burn test on glass fabric
Flammability				
Burn Length (inches)	5			
Self-Extinguishing time (seconds)	<1			
Drip Extinguishing Time	No Drips			
Overlap Shear Strength				ASTM D1002, 75°F
Aluminum	2863.51 psi (19.74 MPa)			
Aluminum*	2848.98 psi (19.64 MPa)			
Polycarbonate	925.81 psi (6.38 MPa)			
Polycarbonate*	1092.88 psi (7.54 MPa)			
Hardness, Shore D, 24 hours	70-75			ASTM D2240
Tensile Strength	2150.91 psi (14.83 MPa)			ASTM D638
Young's Modulus	65,941.41 psi (454.65 MPa)			ASTM D638
Elongation	9.26%			ASTM D638

*Aged 14 days at 120°F/95% RH



General Information

Use suitable 2-component metering and mixing equipment. Blend ratio is 2:1 by volume.



Storage and Shelf Life

Components should be stored in a cool, dry area.

The B-component should be kept in a tightly sealed container flushed with nitrogen.



Safety and Disposal

Refer to product Safety Data Sheet (SDS) for proper handling and PPE requirements.



Typical Packaging

Please contact your local Sales Office for available packaging options.

Dual barrel cartridges
Pints
Quarts

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