



EV Bond 379



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
- Available in white or beige colors



EV Bond 379



Technical Data

Technical Properties				
Property	Value Title			Condition/Method
Un-Cured Properties	A	B	Blend	Brookfield RV @ 75°F
Viscosity (cps)	77,000	80,000	Non-flowing	
Density (lb.-mass/gal)	11.00	10.40	10.90	
Density (g/cm ³)	1.32	1.25	1.31	
Blend Ratio by Weight (g)	100	46.8		
Blend Ratio by Volume (mL)	100	50		
Shelf Life (days)	365	180		
Gel Time (minutes)			8-15	At 77°F, 100 grams
Sag Resistance (inches)			0.5	BSS7226
Cured Physical Properties				
Flammability				60s vertical burn test on glass fabric
Burn Length (inches)	5			
Self-Extinguishing time (seconds)	<1			
Drip Extinguishing Time	No Drips			
Overlap Shear Strength				ASTM D1002, 75°F
Aluminum	3394 psi (23.4 MPa)			
Aluminum*	3723 psi (25.7 MPa)			
Polycarbonate	1064 psi (7.3 MPa)			
Polycarbonate*	1498 psi (10.3 MPa)			
Hardness, Shore D, 24 hours	70-75			ASTM D2240
Tensile Strength	TBD			ASTM D638
Young's Modulus	TBD			ASTM D638
Elongation	TBD			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.

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