



ResinFormulators

INNOVATIVE MATTERS

RF 6110 A/B KIT



RF 6110 is a two-part volume dispensing structural adhesive system. Designed to cure at room temperature, it is also capable of elevated curing. When cured at room temperature, RF 6110 will provide a glass transition temperature of 108°C and will not produce an amine blush. RF 6110 will provide floating roller bell peel values of 32 pounds per inch, and structural lap shear properties exceeding 4800 psi at room temperature, and above 2100 psi when tested at 220°F.

HANDLING PROPERTIES, TYPICAL

PROPERTY	RF 6110
Mix Ratio: by Weight	100:58
by Volume	2:1
Mixed Color	Blue
Viscosity Part A @ 77°F (25°C)	170,000
Viscosity Part B @ 77°F (25°C)	270,000
Pot Life, 100 grams @ 77°F (25°C)	50 min
Cure Schedule	5-7 Days @ 25°C or heat cured

POPULAR FOR USE IN:



COMPOSITES



AEROSPACE

PHYSICAL PROPERTIES, TYPICAL CURED PERFORMANCE

PROPERTY	TEST METHOD	UNIT	VALUE
Al-Al Lap Shear (77°F/25°C)	ASTM D1002	psi	4800
Al-Al Lap Shear (220°F/104°C)	ASTM D1002	psi	2100
Al-Al Lap Shear (250°F/121°C)	ASTM D1002	psi	1500
DSC Tg		°C	108
Bell Peel	ASTM D3167	pli	32

USES & APPLICATIONS

Designed for bonding composite aircraft structures.

SPECIALTY PACKAGING AND DISPENSING

Material is suitable for dual-cartridge dispensing.

Case Study: Improved Production Processing for a Broad Range of Applications

The Resin Formulators team anticipated a major market delivery issue when there was a disruption in the supply of a raw material that was used in the production of certain structural adhesives. The resulting product, RF 6110, was created as a two-part structural epoxy with high peel and elevated temperature performance. It proved economically efficient and improved production processing due to its versatility across a broad range of applications. The product is now qualified to commercial aircraft programs.

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