



# LOCTITE EA 9807 AERO

## Self-extinguishing, flame-retardant adhesive

Light weighting of aerostructures is an ongoing industry challenge, making honeycomb structures very prevalent and critical throughout the airframe. During the original build and repair of the industry, a versatile material is needed.

LOCTITE EA 9807 AERO is an epoxy syntactic flame-retardant potting compound that can be applied as a pourable material or fine-tuned as a higher-viscosity material with the addition of a complementary thickener. The self-extinguishing characteristics of LOCTITE EA 9807 AERO benefits interior applications, while its strength characteristics benefit secondary structure applications. Also, its notable purple color material allows for easy differentiation from the honeycomb core.



FLAME RETARDANT



AMBIENT STORAGE

## FEATURES

### Self-extinguishing

**Gel time:** 85 minutes

**Shelf-life:** 12 months

**Density:** 0.85 g/cc

**Adjustable viscosity through inert filler**

## TYPICAL APPLICATIONS

- ▶ Potting adhesive applications of production parts and repair application of sandwich panel structure.
- ▶ Strong and lightweight potting adhesive reinforcement of high-stress areas in honeycomb structures for secondary structure parts

## BENEFITS

- ▶ Ambient Storage
- ▶ Flame retardant
- ▶ Pourable Consistency
- ▶ Low Fluid Immersion Uptake
- ▶ Low Exotherm
- ▶ Dimensional Stability
- ▶ Short Gel Time
- ▶ Excellent Mechanical Properties

Product	Properties	Typical Value
<b>LOCTITE EA 9807 AERO</b>	Flammability (FR or FST)	FR
	Form	Paste
	System (1K or 2K)	2k
	Color	Purple
	Density, g/cm <sup>3</sup> (lbs/ft <sup>3</sup> )	0.85 (53)
	Compression (Ultimate) at RT, ksi (MPa)	10.7 (73.59)
	Storage, °F (°C)	<82°F (<28°C)
	Shelf Life (months)	12
	Post Life at 77°F (25°C)	90 min
	Cure Temp, °F (°C)	75°F (25°C)
		250°F (121°C)
		350°F (177°C)

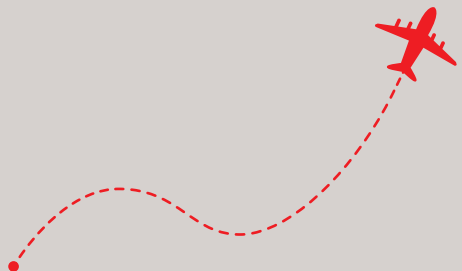
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