

SOLUTION L&L Bond VERSION January 2022

L-9100[™] Series FST Room Temperature Cure Adhesive Technology.



TECHNICAL DATA SHEET



L&L Products L-9100[™] series of epoxy-based, interior adhesives have been developed to bond various substrates that are common to the aerospace industry.

These two component toughened adhesives cure at room temperature and provide high performance bonding.

Ilproducts.com

L&L Products

Product Description

L&L Products epoxy-based, interior adhesives have been developed to bond various substrates that are common to the aerospace industry.

These two component toughened adhesives cure at room temperature and provide high performance bonding.

Designed for interior applications, they meet the latest FAA fire regulations (vertical burn, smoke density, and toxicity).

The adhesives are available in different open time versions that allow for a work life from 5 minutes to one hour, to fit the required application processes.

They can be supplied in twin-barrel cartridges, pails, or drums.

Key Product Attributes

- FST regulation compliant FAR 25.853, ABD0031
- · High strength bonding
- · Can be used in a wide range of temperatures

Typical Application Areas

- Panel assembly
- Insert bonding
- Bracket bonding
- · Honeycomb cut & fold fabrication

Technical Data

The following information and data should be considered typical and should not be used for specification.

		XP-9105**	L-9115	L-9150
Physical Properties	Appearance	Off-white, viscous liquid	Off-white, viscous liquid	Off-white, viscous liquid
	Working Time	4-8 min (10 gram sample)	10-20 minutes (10 gram sample)	35-50 min (10 grams sample)
	Cured Density	1.12 g/cc	1.30 g/cc	1.24 g/cc
	Mix Ratio	1:1	1:1	1:1
Mechanical Properties	Lap Shear on etched 2024 T3 Al cured 24 hours at 25°C		>15MPa (2175 psi)*	>16 MPa (2300 psi)
	Lap Shear on BR-127 Primed Al cured 24 hours at 23°C	>15 MPa (2175 psi)	>16MPa (2300 psi)*	>16 MPa (2300 psi)
Fire Properties	FAA Vertical Burn 12 s FAR 25.853 App. F Part I (a) (ii)	Pass	Pass	Pass
	FAA Vertical Burn 60 s FAR 25.853 App. F Part I (a) (i)		Pass	Pass
	FAA Smoke Density FAR 25.853 (d) Appendix F, Part V		Pass	Pass
	Toxicity (Flaming) ABD0031, AITM 3-0005, Issue 2		Pass	Pass

*27°C (81°F).

**Material starting with letter "L" are commercialized materials. Materials starting with letters "XP" are experimental: the properties for the XP materials are targets.

The information contained herein is, to the best of our knowledge and belief, accurate and reliable as of the date compiled. However, no representation, warranty, or guarantee is made regarding its accuracy, reliability, or completeness by L&L Products, Inc. or any of its affiliates. It is the responsibility of the user to assure the suitability and completeness of such information and any depicted product for the particular use of the user. L&L Products, Inc. and its affiliates accept no liability for any loss or damage that may occur from the use of this information or any depicted product. L&L Products, inc. And its affiliates specifically and expressly disclaim any and all warranties, express or implied, including warranties of merchant-ability, fitness for a particular purpose, and freedom from claims of infringement of the rights of others associated with the sale or use of any product depicted. L&L Products, Inc. and its affiliates further disclaim any liability for consequential or incidental damages of any kind, including lost profits.