

L-301

Two-component Paste Adhesive



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Product Data Sheet

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Description

L-301 is a two-component paste adhesive which will cure at room temperature. Using a modified, flame-retardant, epoxy resin formulation, L-301 is ideal for bonding metallic and non-metallic detail parts into finished assemblies. Color coded components allow for visual check of thorough mixing.

Advantages of L-301

- ❖ The ease of working with L-301 will find quick acceptance in the shop environment. The consistency allows for smooth mixing, easy cartridge filling, uniform extrusion into faying surfaces, and quick clean-up.

Properties

- *Form:* Extrudable Paste
- *Color Part A:* Light Green
- *Color Part B:* Tan
- *Color Mixed A + B:* Cream
- *Mix Ratio:* 2A : 1B by weight

Pot Life

1 Quart Mass

- 2 Hours at Room Temperature (75°F or 24°C)

Availability

- 12 Pound (5.4 kg) Kit: 8 lbs Part A, 4 lbs Part B (3.6 kg Part A, 1.8 kg Part B)
- 60 Pound (27 kg) Kit: 40 lbs Part A, 20 lbs Part B (18 kg Part A, 9 kg Part B)

Shelf Life

- 12 months at Room Temperature (75°F or 24°C)



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Cure Cycles

- *Full Cure: 7 days at Room Temperature (75°F or 24°C)*
- *Handling Strength: 24 hours at Room Temperature (75°F or 24°C)*
- *Accelerated Cure: 2 hours at 150°F (65°C)*

Average Mechanical Properties

Tensile Shear Strength (ASTM D 1002)	
-67°F (-55°C)	2550 PSI (17.6 MPa)
RT (75°F or 24°C)	2500 PSI (17.2 MPa)
160°F (71°C)	750 PSI (5.2 MPa)
T-Peel using 0.020" Aluminum (1" width)	
RT (75°F or 24°C)	7 lb/in (31 N/25 mm)
Flatwise Tensile Strength (ASTM C297)	
RT (75°F or 24°C)	600 PSI (4.1 MPa)

CAUTION: Care should be taken with batches over 500 grams total weight. Large batches or those which are mixed in excess of recommended ratios may become exothermic (i.e., VERY HOT). The user is encouraged to develop standard batch mix sizes.

NOTICE:

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