

L-318

Insert Potting Compound / Two-component



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Product Data Sheet

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Description

L-318 is a two-component potting compound that cures at room temperature. The formulation has been designed to give excellent strength to mechanical fasteners installed into bonded sandwich structures. Color coded components allow for visual check of thorough mixing.

Advantages of L-318

❖ L-318 is a low-viscosity, low-density paste with a rapid cure rate. This provides excellent encapsulation and rapid injection rates with a short holding period before assembly.

Physical Properties

- *Color Part A:* *White*
- *Color Part B:* *Amber*
- *Color Mixed:* *Off-white*
- *Form:* *Thixotropic Paste*

Availability

- *Pre-metered 6-oz Cartridges*
- *1 Gallon (3.8 L) Kit*
- *5 Gallon (18.9 L) Kit*

Mix Ratio and Pot Life

- *Mix 100 Parts A to 10 Parts B by weight*
- *Pot life varies with batch size and mix energy*
- *Typical pot life of a 6-oz batch is 20 minutes at 75°F (24°C)*

Shelf Life

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

Cure Cycle

- Full Cure: 24 hours at Room Temperature (75°F or 24°C)

Average Mechanical Properties

Compressive Strength (ASTM D 695)

- RT (75°F or 24°C) 4,000 PSI (27.5 MPa)
- 160°F (71°C) 2,500 PSI (17.2 MPa)

Edge Pullout

- RT (75°F or 24°C) 350 lbs (1557 N)

Center Pullout

- RT (75°F or 24°C) 400 lbs (1780 N)

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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