



PRODUCT DATA SHEET

LC-E103
2-Part Flame Retardant
Insert Potting Compound

Description

LC-E103 is a two part, flame retardant, epoxy compound designed to have excellent adhesion to inserts and fasteners when placed within honeycomb sandwich structures. LC-E103 can be cured at room temperature or elevated temperatures for accelerated handling Strength.

Advantages

The mixing and handling characteristics of LC-E103 make it an asset on the shop floor. Pre-packaged 6 oz. cartridges allow easy mixing and application through dispensing gun. Color coded Part A and Part B allow user to ensure thorough mixing.

Physical Properties & Mix Ratio

Density: 0.0477 (lbs/ft³)
Part A: White paste
Part B: Amber liquid
Combined mixture: White paste
Mix ratio by weight: 10:1

Available Packaging

6 oz. injector kit cartridge (LC-E103/06C)
1 gallon kit (8.3 lbs.) (LC-E103/1)
Other packaging available upon request

Pot/Shelf Life

Pot Life at Room Temperature: 70° F (21° C): 20 Minutes (6 oz. cartridge)
Shelf Life @ Room Temperature: 70° F (21° C): 12 Months

CAUTION: WHEN MIXING QUANTITIES IN EXCESS OF 250 GRAMS, USE CAUTION AS LARGER MIX QUANTITIES AND/OR EXCESSIVE MIX TIME CAN CAUSE AN INCREASED EXOTHERMIC (IE. VERY HOT) REACTION. THE USER IS ENCOURAGED TO DEVELOP STANDARD MIX PRACTICES.

Cure Cycle Recommendations

Handling Strength: 24 hours at Room temperature (70° F) (21° C)
Full Strength Cure: 7 days at Room temperature (70° F) (21° C)

Mechanical Properties				
Property	Tested per Specification	-67° F	70° F	160° F
Hardness (Shore D)	ASTM D2240	N/A	81	N/A
Lap Shear (psi)	ASTM D1002-10	N/A	2450	N/A
Compression (psi)	ASTM D695	N/A	11500	N/A

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REV 160826