

LEEPOXY PLASTICS, INC.

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Leecure 36-98-2 B BF₃ Epoxy Curing Agent

Leecure 36-98-2 B is a proprietary, fast, room temperature liquid boron trifluoride-based epoxy curing agent. It is readily incorporated into any commercially available epoxy resin. Due to its short pot life, Leecure 36-98-2 B is typically used with automatic meter mix equipment. It is highly reactive and is appropriate for applications where reaction conditions (temperature/humidity) can be controlled. Cure times can be further reduced through the use of elevated cure temperatures. The data in the table below is based on combination with DGEBA resin (EEW = 189).

TYPICAL PROPERTIES OF 36-98-2 B

	36-98-2 B
Color	Brown
Mix ratio, parts by weight	10
Viscosity, @ 25°C, cps	3,500
Density, lbs/gal	9.1

TYPICAL CURE PROPERTIES OF 36-98-2 B

	36-98-2 B
Gel Time @ 25°C, 150 g, seconds	30
Gel Time @ 25°C, 25 g, seconds	45
Cure Time @ 25°C, green strength	
1/8 th inch thickness, seconds	60
10 mils thickness, minutes	<u>9</u>
Hardness, shore D	≥ 85
Tensile Strength ¹ ,	
Aluminum-aluminum	230
Steel-steel	340
Tensile Strength ² , psi	
Aluminum-aluminum	430

1. One hour cure at 25°C

2. Three hour cure at 25°C

The Information contained herein is correct to the best of our knowledge. The recommendations or suggestions contained in this bulletin are made without guarantee or representation as to results. We suggest that you evaluate these recommendations and suggestions in your own laboratory prior to use. Our responsibility for claims arising from breach of warranty, negligence or otherwise is limited to the purchase price of the material. Freedom to use any patent owned by Leepoxy Plastics, Inc. or others is not to be inferred from any statement contained herein.

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