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124-41(UT)

B-STAGEABLE HI-TEMP TEMPERATURE THERMALLY CONDUCTIVE ADHESIVE

DESCRIPTION: 124-41(UT) is a B-stageable adhesive suitable for high performance applications. This product features a unique high continuous operation temperature and very high glass transition temperature making it especially well-suited for extreme conditions found in furnace, heater, and aerospace applications. 124-41(UT) is excellent for applications requiring highest temperature performance.

TYPICAL PROPERTIES:

Viscosity (cps)	~80,000
Color	Gray
Volume Resistivity (Ω -cm, min.)	1×10^{15}
Thermal Conductivity (W/m-K)	> 5
Dielectric Strength (V/mil)	250
Dielectric Constant	4
Glass Transition Temp. ($^{\circ}$ C)	> 320
Useful Temperature Range ($^{\circ}$ C)	-55 to +330
Thermal Stability ($^{\circ}$ C)	Good to +410

SUGGESTED HANDLING: Material is ready to use as received. Store frozen to maintain consistent flow properties. Allow material to warm up to room temperature before opening container. It is important to resuspend any settled filler before using. Be careful not to entrap air while mixing. 124-41(UT) can be thinned with small amounts of 113-12. Please refer to [B-staged film guidelines](#) for more information on B-staging and bonding.

SUGGESTED CURING: Suggested cure schedules listed below. Cure times given are mass related, timing should start after adhesive and substrates reach curing temperature. End user is advised to experimentally determine temperature and time best suited for individual applications.

	<u>Step 1</u>	<u>Step 2</u>
Cure schedule 1:	30 min. @ 150 $^{\circ}$ C	30 min. @ 250 $^{\circ}$ C
Cure schedule 2:	60 min. @ 200 $^{\circ}$ C	---

STORAGE: Shelf Life: up to 4 weeks at 25 $^{\circ}$ C; or 6 months at -20 $^{\circ}$ C; or 12 months at -40 $^{\circ}$ C.

SAFETY & HANDLING: Use with adequate ventilation. Keep away from sparks and open flames. Avoid prolonged contact with skin and breathing of vapors. Wash with soap and water to remove from skin.

All technical information is based on data obtained by CMI personnel and is believed to be reliable. No warranty is either expressed or implied with respect to results or possible infringements on patents.

REVISION DATE: 01/20/21 REVISION: A