



128-17A/B

FAST CURING ELECTRICALLY CONDUCTIVE ADHESIVE

DESCRIPTION: 128-17A/B is a two-part, room temperature curing, silver-filled fast curing adhesive. This system is designed for making electrical and mechanical attachments on electrical components and devices and features a very quick setup time allowing for rapid processing and repair in a variety of applications. 128-17A/B features a volumetric 3-to-2 mix ratio, allowing it to be easily handled by most mixing equipment.

TYPICAL UNCURED PROPERTIES

	Part A	Part B
Appearance:	Silver	Light yellow
Viscosity (cps):	500,000	40
Mix Ratio (by wt.):	100	20
Mix Ratio (by vol.):	100	66 (3/2)
Specific Gravity (g/cc):	3.81	1.15
Specific Gravity (mixed, g/cc):		2.92
Working Time:		5 min.
Handling Properties In:		30 ± 10 min.

TYPICAL CURED PROPERTIES:

Property	Value	Units
Volume Resistivity, 25°C cure	0.006	Ω-cm, max.
Thermal Conductivity	2.2	W/m-K
Glass Transition Temperature (Tg, DSC)	53	°C
Coefficient of Thermal Expansion - Below Tg	45	ppm/°C
- Above Tg	118	ppm/°C
Lap Shear Strength, min.	> 400	psi
Elongation at Break	3	%
Shore Hardness	> 70	A
Solderable	No	--
Useful Temperature Range	-55 to +80	°C
Thermal Stability	Good to +180	°C

MIXING AND CURE INSTRUCTIONS: Premix Part A in original container prior to adding curing agent. Add Part B to Part A and mix until uniform. Best results are obtained when product is cured at one of the following schedules:

Cure Time:	Temp. (°C):
4 hr.	25
60 min.	65
5 min.	100

End user is advised to experimentally determine temperature and time best suited for individual applications.

STORAGE: Shelf life Parts A and B: 12 months in unopened, unmixed containers. Store Part B under a nitrogen blanket for best shelf stability.

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