

TK PASTE CR-2800

◆ Product benefits

- A thermosetting, one-component epoxy conductive adhesive, containing our unique silver particles resembling a spherical brush ("chestnut burrs").
- Stable electroconductivity ensured with only 50 wt.% silver.
- With specific gravity of 2.1, it's smaller than other silver paste (specific gravity 3-4), and with the same weight, it has 1.5 to 2 times the capacity, making it economical.
- Heat curing at 90°C×1hr (or 80°C×1.5hr or 120°C×15min) forms conductive paths.
- Each of total chlorine and total bromine contents is less than 900ppm, and the sum of total chlorine and total bromine contents is less than 1500ppm.

◆ Typical properties

	Typical value	Remarks
Base resin	One-component epoxy	Non-solvent type
Silver content (wt.%)	50	Chest-nut-burr like shape silver
Appearance	Gray paste	
Viscosity (Pa·s)	20-30	E type viscosity meter: 5rpm at 25°C
Specific gravity (-)	2.1	At 25°C
How to use	Air puls dispenser	Internal diameter of needle: >0.25mm
Storage condition	-10°C or below	Shelf life: 10months after manufacture
Pot life (hr)	24	At 25°C
Typical curing schedule	90°C×1hr	Alternative curing schedule: 80°Cx1.5hr / 120°Cx15min
Specific resistance (Ω·cm)	6×10^{-3}	4-terminal method
Glass transition temperature (T _g) (°C)	65	DMA method
Storage modulus (GPa)	4.5	DMA method at 25°C
Coefficient of thermal expansion (ppm/°C)	50	α1
	185	α2

Data in this document is based on evaluation results and does NOT guarantee product characteristics at use.
Make sure to try the product with equipment and adherend to be used.