

TK PASTE CR-5200

◆ Product benefits

- A thermosetting, one-component epoxy conductive adhesive containing our unique shape silver particles.
- Can be cured at 100°C, making it ideal for conductive bonding applications for heat-sensitive components.
- Can suppress the increase of the resistance by galvanic corrosion and provides good conductive bonding to tin (Sn) and nickel (Ni).
- 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	Remark
Base resin	One-component epoxy	Non-solvent type
Silver content (w%)	65-70	Unique shape silver particles.
Appearance	Gray Paste	
Viscosity (Pa·s)	22-36	E type viscosity meter: 5rpm at 25°C
Specific gravity (-)	2.8	At 25°C
How to use	Air puls dispenser	Internal diameter of needle: >0.2mm
Storage condition	-10°C or below	Shelf life: 6months after manufacture
Pot life (hr)	24	At 25°C
Typical curing schedule	100°C×1hr	
Specific resistance (Ω·cm)	3×10^{-4}	4-terminal method
Glass transition temperature (T _g) (°C)	38	DMA method
Storage modulus (GPa)	2.1	DMA method at 25°C
Coefficient of thermal expansion (ppm/°C)	70	α1
	140	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.