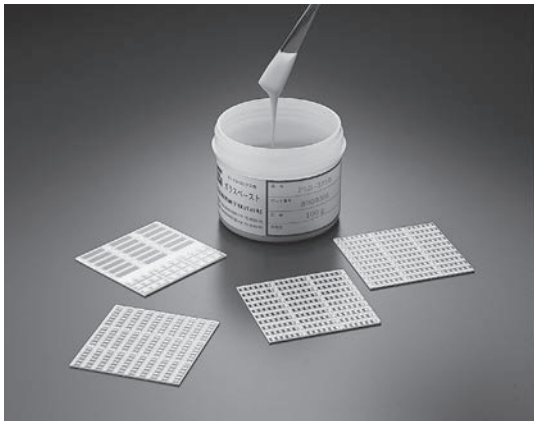
Glass Paste

Glass pastes are made by homogeneously dispersing powder glass upon the vehicle.



- A broad lineup of products offering glass paste for virtually every application
- Can be applied directly to paste application process.
- PLS-3123 and PLS-3124 form excellent moisture-protective and laser-trimmable overglaze. These overcoat pastes are ideal for network resistors.
- PLS-3150B1 has excellent acid durability that prevents discoloration after the electrode plating.

Please contact us about optimal glass selection, viscosity, and other information. The table below shows only few examples of glass selections available.

Properties

Application		Thick Film Hybrid IC Substrates for Ag/Pd, Ag/Pt Circuit		Chip Resistors	Chip Resistors	Various Ceramics
		Overglaze		Secondary Coating	Overglaze	Overglaze, Sealing, Bonding
Glass Code		**PLS-3123**	**PLS-3124**	**PLS-3150B1**	**PLS-3901**	**PLS-3143**
Temperature Firing conditions Soak time at peak		510°C Fireable in air 10 minutes		580-620°C Fireable in air 10 minutes	610°C Fireable in air 10 minutes	850°C or more Fireable in air 10 minutes
Screen		165-325mesh				
Film thickness after firing	μm	10-50				
Color		Green		Black	White	White (Semi-translucent after firing)
Viscosity	Pa·s	90	180	230	110	150
Coefficient of thermal expansion	$\times 10^{-7}$/K	67		70	67 (30-300°C)	66
Softening point	°C	530		585	590	840
Thinner				Terpineol		
Feature		Forms moisture protective and highly hermetic glass film. Used widely for hybrid ICs in automobile	High viscosity type of PLS-3123	Excellent acid durability		
Type		Pb			Pb-free	

Please contact us about other types of Pb-free glass.