

# Low Temperature Curable Adhesive

## JU - 90LT

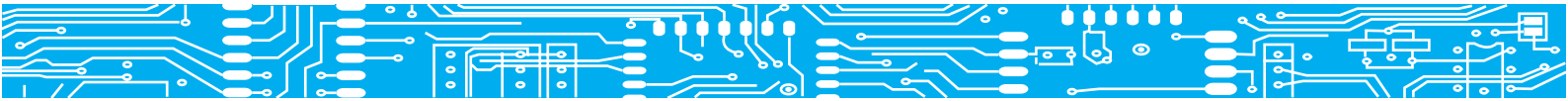
### ■ Features

1. Excellent **BONDING STRENGTH** while curing at low temperature.
2. **HEAT SLUMP RESISTANT** whilst dispensing and also during the heat curing process.
3. Very **HIGH DOT** profile.
4. Availability in extensive range of packaging options.

### ■ Specifications

Before curing	Application		Dispense	
	Products		<b>JU-90LT</b>	
	Composition		Epoxy	
	State · Color		Paste o Red	
	Specific gravity		1.16	
	Viscosity (Pa.s · 20°C)		60	
	Thixotropy (20°C)		5.3	
	Non-volatile (105°C · 3 hr)		> 99 %	
	Shelf life	At room temp. (20°C)		1 month
		0 - 10°C		6 months
Bonding strength	3216 square chip		> 3 kg	
After curing	Copper plate corrosion (40°C × 95%RH × 96hr)		Passed	
	Heat resistivity (250°C × 10sec.)		Passed	
	Surface insulation resistant	Initial value (Ω)		> 1 × 10 <sup>14</sup>
		40°C , 95%RH × 96hr (Ω)		> 1 × 10 <sup>13</sup>
	Water absorption (boiling water 1 hour)		< 0.6	
	Linear expansion coefficient (cm/cm · °C)		5.9 × 10 <sup>-5</sup>	
Solvent resistivity (dipping x 1hr; IPA, glycol)		No abnormality		

\*Specifications are subject to change.



## ■ Dispensing temperature

Optimum results will be obtained at a constant controlled temperature of 30~35°C.

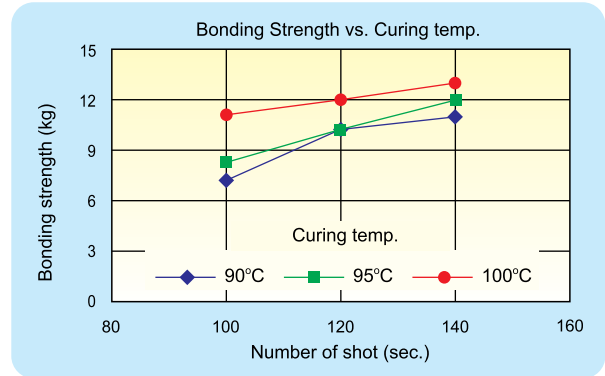
## ■ Bonding strength

It is beneficial to choose low-temperature cure type SMT adhesive when processing PCBs with heat-sensitive components. Using newly formulated curing agent, JU-90LT can achieve high bonding strength while curing at 90°C.

Conditions  
 Machine: MT-5000 (Tenryu)  
 Nozzle: 22G(2 dots dispensing)  
 Dispensing temp.: 32°C  
 Dispensing pressure: 0.35 MPa  
 Component: 3216R  
 Measuring device: Bond tester (Seishin)

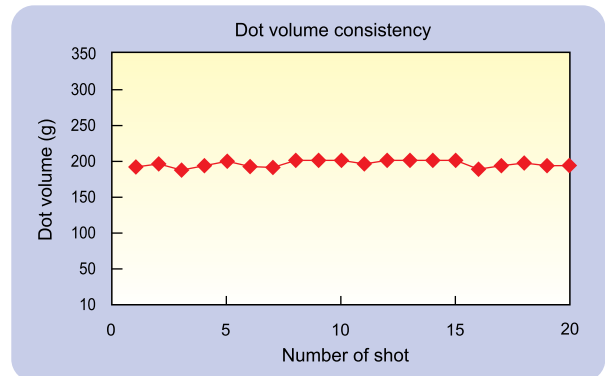
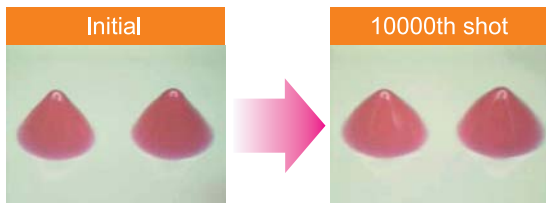
## ■ Curing condition

· 90 ~ 100°C for over 100sec.

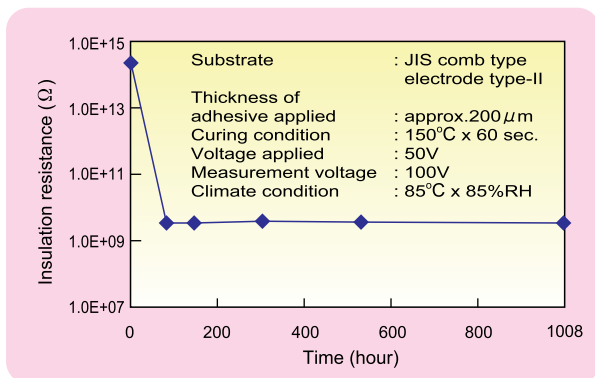


## ■ Dot profile (Nozzle : twin 22G)

Conditions  
 Machine: MT-5000 (Tenryu)  
 Nozzle: 22G (2 dots dispensing)  
 Dispensing temp.: 32°C  
 Dispensing pressure: 0.35 MPa  
 Dispensing speed: 100msec



## ■ Surface insulation resistance



## ■ Packaging

Available in various types of syringe (10cc, 20cc, 25cc, 30cc syringes)

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