



# AUTOLAD1

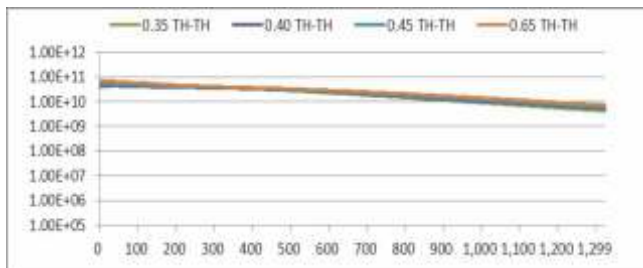
High Performance, Mid-Tg Lead-free

## CAF Test

### 1. D/S Test Coupons

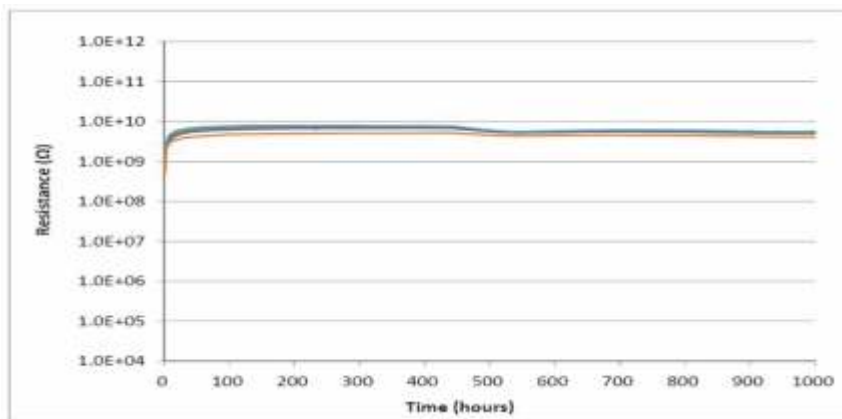
- 1) Specimens: D/S, thk. 1.62mm, 0.35/0.40/0.45/0.65mm TH-TH
- 2) Pre-condition: 125°C/4hrs → 260°C Lead free reflow 3X → 85°C/85%RH/96hrs
- 3) Test condition: 85°C/85%RH, 100VDC, 1000 hours

Code	failure time			
TH-TH/mm	0.35	0.40	0.45	0.65
1	>1300	>1300	>1300	>1300
2	>1300	>1300	>1300	>1300
3	>1300	>1300	>1300	>1300
4	>1300	>1300	>1300	>1300
5	>1300	>1300	>1300	>1300



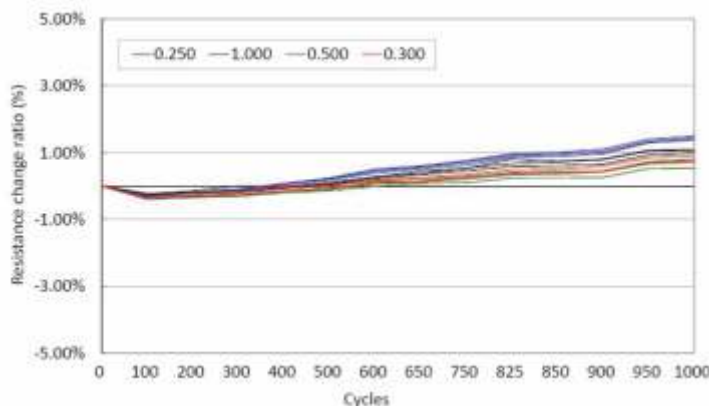
### 2. 8L Automotive CAF Test Coupons

- 1) Specimens: 1.68mm, 0.30mm/0.65 TH-TH and 0.30mm/0.45 TH-inner layer
- 2) Pre-condition: 125°C/4hrs → 260°C Lead free reflow 3X → 85°C/85%RH/96hrs
- 3) Test condition: 85°C/85%RH, 100VDC, 1000 hours



## TCT Evaluation

- 1) Specimen spec.:  
8 Layer, 1.68mm, 0.25/0.3/0.5/1/0mm TH size with the same pitch
- 2) Pre-condition:  
125°C/4hrs → 260°C Lead free reflow 3X
- 3) Test Condition:  
-40°C/30min ~ +125°C/30min, 1000 cycles





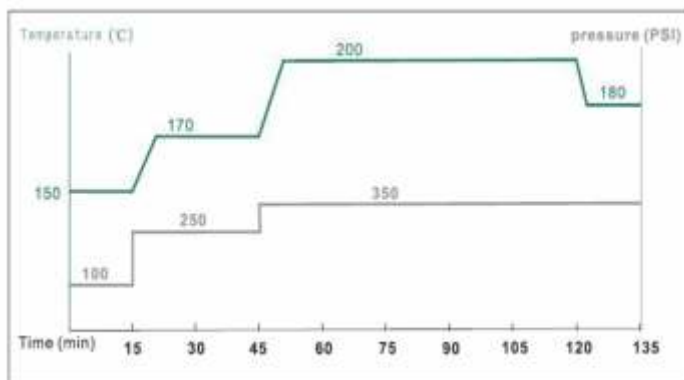
# AUTOLAD1B PREPREG

High Performance, Mid-Tg Lead-free

## PREPREG PARAMETERS

Designation	Glass fabric type	Performance	Resin content (%)	Cured thickness (um)	Standard size (roll type)
Autolad 1 B	106	Lead free	73±3	50±10	1,260mmX150m
	1080		67±3	78±10	1,260mmX300m
	1080		70±3	85±10	
	3313/2313		57±3	100±15	
	2116		55±3	120±15	1,260mmX250m
	2116		58±3	130±15	
	1506/1500		48±3	160±20	1,260mmX150m
	7628		46±3	195±20	
	7628		48±3	205±20	
	7628		50±3	215±20	

## HOT PRESSING CYCLE



- Heat up rate: 1.0-2.5°C/min (80-140°C)
- Curing time: >45min (>180°C)
- The hot pressing parameter is for your reference only; please turn to Shengyi Technology Co., Ltd. for detailed information.

## STORAGE CONDITION

- 3 months when stored < 23°C and <50% RH.
- 6 months when stored <5°C. Normalize in room temperature for at least 4h before using.
- Beware of moisture, always keeping wrapped in damp-proof material. Were kept in normal condition, prepreg might absorb moisture and its bonding strength might be weakened.
- Avoid UV-rays and strong light.