

Electrical Conductive Die Attach Paste

“SUMIRESIN EXCEL” CRM-1084F

Characteristics

Good Thermal Conductivity and High Reliability for Wide Application

Properties

item	unit	CRM-1084F	Test Method
Appearance	-	Silver Color	
Specific Gravity	-	3.8	
Viscosity	PS (Pas)	170 (17.0)	E-type Viscometer
Thixotropic Index*1	-	3.1	
Viscosity	PS (cps)	12.0 (12000)	Brookfield Viscometer
Thixotropic Index*2	-	4.0	
Tack Free Time	hr	24	SB Method
Ag content	wt%	79	
Ionics *3	Na	ppm	Ion Chromatography
	Cl		
Volume Resistivity	Ω-cm	5x10 ⁻⁵	SB Method
Die Shear Strength (2x2mm)	RT	N/2x2mm (gf/2x2mm)	Tension Gauge
	@250C		
Elastic Modulus	RT	kgf/mm ² (MPa)	Tensilon
Tg		C	TMA
CTE	α1	ppm	
	α2		
Moisture Absorption *4	%	0.35	SB Method
Thermal Conductivity	W/mK	1.8	Laser-Flash Method

- * 1 Viscosity ratio of 0.5rpm/2.5rpm (by E-Type Viscometer)
- * 2 Viscosity ratio of 0.5rpm/5.0rpm (by Brookfield Viscometer)
- * 3 PCT 125C,20hrs
- * 4 85C、85RH%、72hrs
(Typical Value)

Application

QFP, SOIC, PDIP, PLCC

Dispensing Method

Dispense, Line Draw

Typical Cure Condition

20min/175C in Oven

Storage Condition

- Shelf Life : **6 Months**
Store below **-15C**
- Thawing Condition : **1hr/RT**
(5 or 10cc Syringe)
- Pot Life@25C : **48hrs**
Use Up Within 48hrs
After Thawing