

SELMAG Funtion Pastes

Product Introduction

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☆ Conductive Paste

Product ID	Application/Characteristics	Substrate
AF-100 NE-55A	FPC/Membrane- Touch Control Application, Excellent Adhesion and Flexibility	PET • Film
AF-100 TL-6	FPC/Membrane- Touch Control, Low-Temp Curing Applications (80°C×30min)	PET • PC • PVC
AF-130 GPT-7A	Touch Panel/Screen Applications, Excellent Adhesion	PET • ITO/PET Glass
AF-130 CG-80	Touch Panel/Screen Applications, Low Temperature Curing (80°C×30min)	PET • ITO/PET Glass
AF-130 LTP-6A	Touch Panel/Screen Applications with formation of Smooth Thin film($\leq 5\mu\text{m}$)	PET • ITO/PET Glass

☆ Conductive Paste

Product ID	Application/Characteristics	Substrate
AF-150 SHC-1	RIFD Application Excellent Electrical Conductivity ($\leq 10^{-5} \Omega\text{-cm}$)	PET • ITO/PET & Glass
AF-150 API-11	Excellent Electrical Conductivity ($\leq 10^{-5} \Omega\text{-cm}$), Adhesion, and Flexibility	PET • ITO/PET • PI (Cu Circuit)
AR-100	Jump Circuit and High Hardness, Electrical Impedance Applications	PCB • Glass • Ceramic
AR-100 ATH-10	Conductive Hole Application Low Viscosity (50-80 dPa-s)	PCB

☆ Conductive Carbon Paste
for Piezoelectric Sensing Application

Product ID	Application/Characteristics	Substrate
GF-2060	Circuit Formation (Low Impedance) Excellent Adhesion and Flexibility	PET • PI • Film
GF-120 PR-10	Force sensitive module ($350\ \Omega \Rightarrow 50\ \Omega$)	PET • PI • Film
GF-120 PR-20	Force sensitive module ($5\ \text{k}\Omega \Rightarrow 500\ \Omega$)	PET • PI • Film
GR-2025	Key-Board Sensing Application Excellent conductive and heat resistance	PCB • Glass • Organic Material • Ceramic

☆ Conductive Carbon
(Printed Resistors & Electrodes)

Product ID	Application /Characteristics	Substrate
GF-2□□□ F-6	Variable impedance Application, Excellent Flexibility along with Variance-Stabilizing Resistance.	PET, PI, PCB
GR-7□□□H R-□□-1	Fix impedance Application, Variance-stabilizing Resistance under Soldering Temperature	PCB) (Glass) (Ceramic)
AR-100	Low Resistance Electrodes Application, Excellent Reliability	(PCB) (Glass) (Ceramic)

* □□□ = Area Impedance $200\Omega \sim 20K\Omega$. * R□□-1 = Area Impedance $40\Omega \sim 200K\Omega \sim 1M\Omega$

☆ Insulation Paste (Thermosets)

Product ID	Application/Characteristics	Substrate
IF-310WC-4	Conducting Loop Application, Excellent Flexibility For Jumble circuit insulation paste	PET • ITO/PET Film
IR-300T FF-M□	Colorless/Transparency, Smooth Surface	PET • ITO/PET ITO • Glass
IR-350T&□ MC-1	Milky White, Excellent Heat Resistance under soldering temperature	PET • ITO/PET ITO/ • Glass • PI
IR-110 WK-1	White, High Contact Angle for Blood Glucose Testing Application	PET • White PET
IR-370W EP-1	White color optimum interlayer insulation, Blood Glucose Test Application	PET • White PET

** □, Color Code (T:Transparent , G:Green , B:Blue)*

☆ Insulation Paste (For UV Curing Type)

Product ID	Application/Characteristics	Substrate
UV-400□ FX-5	Thin Film (5μm)、 Excellent Adhesion and Flexibility	PET・ITO/PET ・ Film
UV-500 TC-1	High Transparency with Smooth Surface	PET・ITO/PET & Glass
UV-500 DM-7	High Thickness for DAM formation Application	PET・Glass
UVR-220□S K-1	Green color optimum interlayer insulation for blood Glucose Testing Application	PET・White PET

* □、Color Code (T:Transparent, G:Green, B:Blue, C:Black, W:White, OR:Orange)

☆ Special Insulation Paste

Product ID	Application/Characteristics	Substrate
IR-600 SS-1	LED Application, High Reflectance, White Insulation Paste. Non-yellowing at High Temperature	Metal Cu · Ni Glass Ceramic
IR-110 HD	High Surface Hardness , Sensitivity and Density	PCB · ITO/Glass Glass Ceramic
IR-100□ RTR-1 one component	Roll to Roll application	Cu · Ni · ST Alloy
IR-100□ RTR-2 Two Component		

* □、Color Code (T:Transparent, G:Green, B:Blue, C:Black, W:White)

☆ Insulation Material for Electronic Parts
(For Resistance Parts and Capacitance Parts)

Product ID	dPa.s	Process	Application/Characteristics	Substrate
IR-500C TN-5VL	120-170	Syringe	Cut-Resistance (No Crack)	Metal Alloy
IR-500C TN SP	250-300	Screen Print	Cut-Resistance (No Crack)	Metal Alloy
IR-500C VH-1	550-650	Screen Print	Cut-Resistance (No Crack) High Film Thickness	Metal Alloy
IR-500C THL-15	200-300	Screen Print	Heat Dissipation Material	Metal Alloy

☆ **Insulation Material for Electronic Parts**
(For Resistance Parts and Capacitance Parts)

Product ID	dPa.s	Process	Application /Characteristics	Substrate
IR-500B THR-7	100-150	Dipping Transcription	MELF Application, Blue Color, Excellent HAST Performance	Ceramic
IR-530 TH-5	300-400	Screen Print	Heat Dissipation, High Tg,Excellent Reliability	Ceramic
IR-600 SS-1 HV	250-300	Screen Print	White, High Heat resistance, Non-Yellowing	Ceramic

☆ **Conductive Paste | Functional Material**
(Adhesion • Exothermic)

Product ID	Conductive Composition	Application/Characteristics	Substrate
AF-130 DP-83	Ag	LCD/SMD Conductive Bonding Syringe → Precision Coating	PET & Glass/ITO
AF-130 TA-100	Ag	Conductive Adhesive (Transcription) Pressure Sensitive Adhesive Paste	PET/ITO • Al film
ACH-50 RH-5	Ag/C	Heating Element (45-55°C/Voltage 5V) Screen Printing	PET • PU
ACH-65 RH-15	Ag/C	Heating Element (60-70°C/Voltage 15V) Screen Printing	PET • FR-4

☆ **TPU/PET**
Conductive Paste Functional Material
(Flexibility, Transparency, Low Temp Curing)

Product ID	Application/Characteristics	Substrate
AF-150 TPU-15N	Conductive Loop Application, Excellent Electrical Conductivity, Tremendous Flexibility.	TPU/PET
AC-2000 VL-1N	LED Components/Conductive Adhesion Applications, Excellent Electrical Conductivity, Adhesion.	TPU/PET
IF-300T A-80	Low Viscosity, Low-Temperature Curing, High Transparency.	TPU/PET

☆ Room-Temperature Curing Conductive Paste

Product ID	Viscosity	Application/Characteristics	Substrate
AG-605 AT-1	80-100	Low-Temperature Curing (60°C×10min) Room-Temperature Curing(24hrs)	PET • PET/ITO
AG-25 RT-24H	80-100	EMI Application Room-Temperature Curing (24hrs) LP Version	PET • PET/ITO
AG-25 RCM-3	70-100	Soft Rubber Applications Room-Temperature Curing (24hrs)	PET • PU • Rubber

☆ Conductive/Adhesive Paste

Product ID	# of Components	Coating	Application/Characteristics
RAA-204 & AG-3H	Two Components	Point Drop	Room-Temperature Curing (Available Duration/4hr), Adhesion Strength ($\geq 35\text{N}$)
AC-2000 VL-1N	One Component	Screen Print	Moderate-Temp Curing ($120^{\circ}\text{C} \times 30\text{min}$) Adhesion Strength ($\geq 50\text{N}$) Tremendous Flexibility
HAA-1530A	One Component	Screen Print	Curing Condition ($180^{\circ}\text{C} \times 10\text{min}$) Continuous Printing Availability Adhesion Strength ($\geq 50\text{N}$)
HAA-1530A-38	One Component	Syringe	Curing Condition ($150^{\circ}\text{C} \times 30\text{min}$) Adhesion Strength ($\geq 50\text{N}$)

☆ Component Adhesive Paste

Product ID	# of Components	Coating	Application/Characteristics
EA-25RT A & B	Two Components	Point Drop	Room-Temperature Curing, (Available Duration/4hr), Adhesion Strength ($\geq 50\text{N}$).
EA-150 HV-2	One Component	Point Drop	Moderate-Temp Curing ($100^{\circ}\text{C} \times 1\text{Hr}$), Adhesion Strength ($\geq 50\text{N}$).
EA-780 DS-4	One Component	Syringe	Adhesive Paste for Chip Component Fast Curing ($120^{\circ}\text{C} \times 3\text{min}$), Adhesion Strength ($\geq 40\text{N}$)
EA-780 SP-3	One Component	Screen Print	Adhesive Paste for Chip Component Fast Curing ($120^{\circ}\text{C} \times 3\text{min}$), Adhesion Strength ($\geq 40\text{N}$)

☆ Component Adhesive/Under-Fill Material

Product ID	Components	Coating	Application/Characteristics
AH-150 PE-1	One Component	Screen Print	Adhesive Paste (PE Version), Curing Process (80°C × 10min + 150°C × 30min) Tremendous Flexibility
AH-150 EP-1	One Component	Screen Print	Adhesive Paste (EP Version), Curing Process (80°C × 10min + 150°C × 30min) High Heat Tolerance
ACF-50 UF	One Component	Syringe	Under-Fill Application, Low Viscosity, Fast Curing Condition(150°C × 2min) Tg/110°C
ACF-200 OC	One Component	Syringe	Over-Coat Application, Moderate Viscosity, Fast Curing Condition(150°C × 5min) Tg/110°C

☆ Remover Paste (Membrane Ablation Version)

Product ID	Application/Characteristics	Substrate
R-25C RT-8	Room Temperature (8hr) & Low-Temp Drying (50°C×20min), Available for Gold Sputtering	PET • PET/ITO • Glass
R-500B 8K-3A	Standard PVC Type LP Version	PCB • Metal • Glass
R-500B CP-7	PVC Type, High Heat Resistance (280°C×1min)	PCB • Metal • Ceramic
R-800 PE-5	Non-PVC Type, Curing Condition (120°C×30min)	PET • PET/ITO

☆ Remover Paste (Membrane Ablation Version)

Product ID	Application/Characteristics	Substrate
R-800 LC-80	Non-PVC Type, Low-Temp Curing Condition (80℃×30min)	PET・PC・PET/ITO
R-600B AM-1	UV Curing, Intensity (1000mJ/cm ²) Available for Sputtering	PET・PET/ITO
R-600B UV-5	UV Curing, Intensity (1000mJ/cm ²)	PET・PET/IT・Glass
R-600B UVP	UV Curing, Intensity (500mJ/cm ²) Excellent Flexibility	PET・Paper

★ **Remover Paste**
(Membrane Dissolution Version)

Product ID	Remover	Application/Characteristics	Substrate
R-200 AS	NaOH (Alkaline)	PCB + PI/ Heat Pressing Application	PI (Cu Circuit) • PCB
R-200 AA-1	NaOH (Alkaline)	High Temperature Curing Stability (180°C×30min)	PI • PCB • Metal Alloy
RW-912WF-1	Water	Available For Sputtering High Precision Screen Printing	Glass Ceramic ITO
RW-915 BF & WF	Water	Available For Sputtering Heat Resistance	ITO Glass Ceramic
UV-1500 ER	NaOH (Alkaline)	UV Curing Type, Acid Resistance (Loop Application)	PET/ITO • PCB