

Electronic Components Assembly Materials

EMI/RFI SHIELDING OF RIBBON CABLES AND FLEX CIRCUITS

SILVER INKS

Product #	Sheet Resistivity (ohms/sq/mil)	Application Technique	Comments
102-05F	0.019	Screen-printable	Flexible, temperature and chemical resistant.
105-43	0.019	Sprayable Concentrate	Flexible, temperature and chemical resistant.
117-48	0.040	Screen-printable	Flexible, temperature and chemical resistant.
120-07	0.010	Screen-printable	Extremely flexible. Can be diluted for spray applying.
118-41	0.010	Screen-printable	Excellent adhesion to Kapton and other materials where higher temperature is required. Resistant to abrasion and scratching.
125-24	0.020	Sprayable	Very resistant to abrasion, scratching and flexing. Can be dried at room temperature.

DIELECTRIC INKS AND COATINGS

Product #	Dielectric Strength (volts/mil)	Curing Method	Application Technique	Comments
113-48	525	UV/Thermal	Screen-print	Very flexible.
116-20	365	UV	Screen-print	Clear, UV Curable.
118-12A/B	450	Thermal	Screen-print	Solvent resistant.
125-17M	365	UV	Screen-print	Matte colorless.
125-17MB	365	UV	Screen-print	Matte blue.
125-17MG	365	UV	Screen-print	Matte green.

POTTING AND ENCAPSULATING MATERIALS

ONE COMPONENT SYSTEMS

Product #	Volume Resistivity (ohms-cm)	Viscosity @ 25°C (cps)	Viscosity @ 50°C (cps)	Comments
108-50	1 X 10 ¹⁴	100,000 - 160,000	30,000 - 50,000	Exceptional resistance to thermal cycling. Low stress, low shrink potting compound and adhesive. Ideal for stress sensitive substrates.
110-18	1 X 10 ¹⁵	10,000	60,000	Cures at low temperatures with minimum amount of exotherm, releases air rapidly, resulting in smooth pinhole free surface. Useful for bonding and potting of dissimilar materials requiring Class "B" service temperature rating.
109-12	1 X 10 ¹⁴	500,000	60,000	Exceptional resistance to thermal cycling. Bonds dissimilar materials requiring Class "F+" service temperature rating. More thermally conductive version of 108-50.

TWO COMPONENT SYSTEMS

Product # Part A	Product # Part B	Mix Ratio By Weight	Viscosity (cps)	Working Life @ 21°C	Comments
F940A	F940B	100:12	2,750	30 mins.	Black, flame-out, epoxy potting and encapsulating compound. Low viscosity, self de-aerating, thermally conductive. Room temperature cure.
F940A	B-187	100:3	3,000	> 4 hours	Low viscosity with long pot life. Requires mild heat cure.
F947A	F947B	100:12	5,000	30 mins.	Room temperature, improved heat resistance. Other properties similar to F940A/B.
F947A	B-187	100:3	7,000	> 4 hours	Excellent heat resistance, extended pot life. Requires mild heat cure.
102-11A	102-11B	100:12	6,000	30 mins.	Crack resistant, black, flame-out, epoxy compound. Room temperature cure, improved resistance to thermal cycling. Other properties similar to F947A/B.
102-11A	B-187	100:3	7,000	> 4 hours	Excellent resistance to thermal shock, longer pot life. Requires mild heat cure.
102-12A	102-12B	100:9	15,000	30 mins.	Thermal cycle resistant, black, epoxy compound. Room temperature cure, improved crack resistance. High thermal conductivity.
102-12A	B-187	100:2.5	16,000	> 4 hours	Same as above, but extended pot life; better resistance to thermal cracking.
113-33A	113-33B	100:15	380,000	> 30 mins.	Crack resistant, black, flame-out, glob top epoxy. Non sag encapsulant.

PLEASE CONTACT US FOR OTHER MARKET SPECIFIC PRODUCT SELECTOR GUIDES



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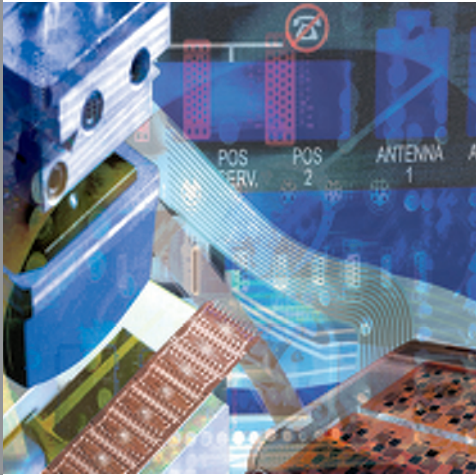
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