








Experience the ACI Material Advantage
2022 Product List







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Highly Dispersed Inks, Coatings & Adhesives

Aerospace			
AS1101	ESD Coating	ESD coating ideally suited for aerospace applications requiring exceptional durability and heat resistance. AS1101 Data Sheet	 Aerospace
AS3201	Thermal Barrier Coating	Thermal barrier coating designed for aerospace applications that require exceptional durability under harsh conditions. AS3201 Data Sheet	 Aerospace  Thermal Mgmt
Printed Electronics			
FE1331	Stretchable Conductive Adhesive	Silver filled, solvent free, one component conductive adhesive that remains stretchable following thermal cure. Designed for bonding to flexible substrates and accommodates interface stresses and strains during bending. FE1331 Data Sheet	 FHE
FE1334	Stretchable Conductive Adhesive	Silver filled, one component epoxy that can be deposited using stencil, syringe, or jet dispensing. Designed for bonding components to compliant substrates and remains stretchable (up to 40% stretch) following thermal cure. FE1334 Data Sheet	 FHE









Printed Electronics (Continued)

FE5237	Stretchable Glob Top Encapsulant	<p>Epoxy based glob top encapsulant that remains stretchable following thermal cure. Compliant for devices on flexible substrates</p> <p>FE5237 Data Sheet</p>	 FHE
FE3124	Flexible Conductive Trace	<p>Silver filled flexible conductive trace ink for use on PET, polyimides, and other bendable substrates, offering high conductivity and low slump for feature resolution less than 100 µm.</p> <p>FE3124 Data Sheet</p>	 FHE
FE3124-LV	Flexible Conductive Trace	<p>Silver filled flexible conductive trace for use on PET, polyimides, and other bendable substrates. Lower viscosity than FE3124, adjusted to a level appropriate for typical screen printing applications.</p> <p>FE3124-LV Data Sheet</p>	 FHE
FE3203	Flexible Carbon Conductor	<p>Carbon filled flexible conductive trace ink for use on PET, polyimides, and other bendable substrates. High conductivity for a 100% carbon conductor with rheology tailored toward low slump and fine feature resolution via screen printing. Excellent adhesion and flexibility.</p> <p>FE3203 Data Sheet</p>	 FHE



Printed Electronics (Continued)

FE5236	Non-Conductive Stretchable Adhesive	<p>Stretchable non-conductive epoxy used to bond components in flexible and stretchable systems and to manage thermal expansion mismatches in rigid packaging solutions.</p> <p>FE5236 Data Sheet</p>	 FHE
RD0117B	Alchemy Series Semi-Sintering Conductive Inks	<p>ACI Alchemy Conductive Inks are a series of highly conductive semi-sintering or hybrid type formulations that enable a range of advantages to current users of silver polymer thick film (PTF) and nanoparticle-based inks, pastes, and coatings. These formulations offer the ease of use and processing of PTF inks and coatings, but with the superior electrical performance of sintered nano inks.</p> <p>Alchemy Series Data Sheet</p>	 FHE
RD0117C			
RD0117F			

Printed Electronics (Continued)

SE1109	Stretchable Printed Silver Conductor	<p>ACI SE1109 is a silver filled conductor for printed interconnects for devices on elastomeric substrates. After drying, the ink has excellent conductivity and offers excellent elongation and flexibility. SE1109 has been formulated for superior adhesion to thermoplastic urethanes (TPU).</p> <p>SE1109 Data Sheet</p>	 FHE  Wearables
SE1502	Stretchable Printed Carbon Conductor	<p>Carbon filled conductor for printed circuitry and devices on elastomeric substrates, such as TPU. Good conductivity and offers excellent elongation and flexibility.</p> <p>SE1502 Data Sheet</p>	 FHE  Wearables
SE3104	Stretchable Printed Insulator	<p>ACI SE3104 is a screen printable, thermally cured ink that is stretchable when cured and compatible with ACI's stretchable inks. SE3104 can be used as an insulator and/or crossover dielectric.</p> <p>SE3104 Data Sheet</p>	 FHE  Wearables
SE5025	Printed Fixed Resistance Heater Ink	<p>ACI SE5025 is a stretchable resistive trace designed for heating applications integrated onto elastomeric substrates. When cured, the ink has a prescribed resistance value and offers excellent flexibility and stretchability.</p> <p>SE5025 Data Sheet</p>	 FHE  Wearables

Thermal Management

TM1077	Stretchable Die Attach Adhesive	<p>Silver filled, solvent free, one component die attach adhesive that remains stretchable following thermal cure. Designed for large dies and accommodates thermomechanical stresses arising from differences in the thermal expansion coefficients between components.</p> <p>TM1077 Data Sheet</p>	 Thermal Mgmnt
TM1079	Stretchable Die Attach Adhesive	<p>Silver filled, solvent free, one component die attach adhesive that can undergo strains of up to 50% post cure. Designed for large dies and accommodates thermomechanical stresses arising from differences in the thermal expansion coefficients between components.</p> <p>TM1079 Data Sheet</p>	 Thermal Mgmnt



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