

## Medical Applications

### Medical Electrodes

#### TYPICAL APPLICATIONS

- ECG/EKG/EEG pads
- Drug delivery (iontophoresis) patches
- TENS
- Glucose sensors
- Cosmetic patches
- Sensors – heat, moisture, chemical, etc.

PRODUCT	FEATURE	CUSTOMER BENEFIT
CI-4001	45/55 Ag/AgCl ratio	Use for Iontophoretic or high AgCl content is required
CI-4025	80/20 Ag/AgCl ratio	Use for EKG pads and/ or sensing electrodes
CI-4040	80/20 Ag/AgCl ratio	General sensing electrodes for wearable applications
CI-4047	80/20 Ag/AgCl ratio	Excellent for hydrogel resistance
CI-5065	Anode for battery function	Printed-in battery for iontophoretic applications
CI-2057	Carbon Ink For Biosensors	Typically use for Amperometric Glucose Sensors
CI-2058	Carbon Ink For Biosensors	Typically use for Immunosensors
CI-2077/ CI-2079	Carbon Ink For Biosensors	Typically use for Amperometric Glucose Sensors

### Miscellaneous

PRODUCT	FEATURE	CUSTOMER BENEFIT
DI-7506 UV Spacer	Designed for thick deposit and fast UV Cure	Print spacers onto print-treated PET, Kapton and ECM insulators
DI-7801 UV-Cure PSA	Selectively screen print, excellent tack and peel, water clear	Apply PSA only where needed, eliminate die or laser cut PSA laminate
CI-2069 Series Resistor Blends	Stable resistor value, can blend to target resistance from 30 to 100K $\Omega$	Stable resistance, no drift after cure

### Stretchable/Smart Fabric

#### TYPICAL APPLICATIONS

- Wearable technology
- Soft, pliable electronic interface
- Capacitive sensing
- TPU film compatible

PRODUCT	FEATURE	CUSTOMER BENEFIT
CI-1036	Durable, stretchable, low $\Omega$	Integrate electronics into user-friendly fabrics
CI-2051	Durable, compatible with CI-1036	Use with CI-1036 for improved washability
DI-7548	Durable, stretchable, compatible with Ag inks and many TPU films	Protect silver circuitry while maintaining stretch properties
DI-7550	Durable, stretchable, compatible with Ag inks and many TPU films	Apply R2R to process quickly
CI-4040	80/20 Ag/AgCl ratio	General sensing electrodes for wearable applications

### Low Temp Cure Inks

#### TYPICAL APPLICATIONS

- Consumer Electronics, Sensors

PRODUCT	FEATURE	CUSTOMER BENEFIT
CI-1095	Excellent Resistivity (<0.020 $\Omega/\square$ /mil) when processed as low as 80°C!	Can be used on substrates that can't be processed at conventional PTF temperatures
CI-2062	Carbon ink that can be cured as low as 80°C!	Carbon option when resistivity of Ag is not required