

Printed Inks

CONDUCTIVE INKS

Product Name	Description	Key Attributes	Coverage at 10 µm (m ² /kg)	Sheet Resistance (Ω/sq/25 µm)	Processing	Substrates	Recommended Cure
Transparent Inks							
LOCTITE ECI 5003 E&C	Conductive printable ink	<ul style="list-style-type: none"> Low temperature cure No need for laser etching 	2.6	< 100	• Screenprint	• PET*	3 min. at 85°C + 5 min. at 140°C
LOCTITE ECI 5005 E&C	Conductive printable ink	<ul style="list-style-type: none"> Low temperature cure ITO replacement 	2.6	< 100	• Screenprint	• PET*	3 min. at 85°C + 5 min. at 140°C
PTC Carbon Inks							
LOCTITE ECI 8001 E&C	Positive temperature coefficient (PTC) printable ink	<ul style="list-style-type: none"> Flexible Printable on most common substrates Self-regulating heater with PTC temperature of 65°C 	48	1,700	• Screenprint	<ul style="list-style-type: none"> Polyester PEN** Polyimide film PET* 	10 min. at 120°C
LOCTITE ECI 8120 E&C	Positive temperature coefficient (PTC) printable ink	<ul style="list-style-type: none"> Flexible Printable on most common substrates Self-regulating heater with PTC temperature of 120°C 	43	1,700	• Screenprint	<ul style="list-style-type: none"> Polyester PEN** Polyimide film PET* 	10 min. at 140°C
Silver Inks							
LOCTITE ECI 1010 E&C	Conductive printable ink	<ul style="list-style-type: none"> Flexible Good adhesion High conductivity with optimum mechanical performance Compatible with LOCTITE EDAG 440A E&C, LOCTITE EDAG 440B E&C and LOCTITE EDAG PF 455B E&C 	10.6	0.007	• Screenprint	<ul style="list-style-type: none"> Polyimide film PET* 	15 min. at 120°C
LOCTITE ECI 1011 E&C	Flexography and conductive printable ink	<ul style="list-style-type: none"> High conductivity Small particle size Excellent adhesion Excellent printability with flexography Flexible 	8.3	< 0.005	<ul style="list-style-type: none"> Screenprint Flexographic Rotogravure 	<ul style="list-style-type: none"> Paper PET* Polyimide film ITO film*** 	10 min. at 150°C

NON-CONDUCTIVE INKS

Product Name	Description	Key Attributes	Coverage at 10 µm (m ² /kg)	Processing	Substrates	Recommended Cure
Dielectric Inks						
LOCTITE NCI 9001 E&C	Printable dielectric ink	<ul style="list-style-type: none"> Insulating Excellent transparency Good flexibility Minimal dielectric strength Excellent flexibility Resistant to abrasion Primer coat to adhere to difficult substrates 	18.8	<ul style="list-style-type: none"> Screenprint Flexographic 	<ul style="list-style-type: none"> Flexible copper circuits ITO*** sputtered polyester film Metals Glass 	5 min. at 130°C