

Printed Inks

CONDUCTIVE INKS

Product Name	Description	Key Attributes	Coverage at 10 µm (m²/kg)	Sheet Resistance (Ω/sq/25 μm)	Processing	Substrates	Recommended Cure					
Transparent Inks												
LOCTITE ECI 5003 E&C	Conductive printable ink	Low temperature cureNo 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	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	 Flexible Printable on most common substrates Self-regulating heater with PTC temperature of 65°C 	48	1,700	• Screenprint	 Polyester PEN** Polyimide film PET* 	10 min. at 120°C					
LOCTITE ECI 8120 E&C	Positive temperature coefficient (PTC) printable ink	 Flexible Printable on most common substrates Self-regulating heater with PTC temperature of 120°C 	43	1,700	• Screenprint	 Polyester PEN** Polyimide film PET* 	10 min. at 140°C					
Silver Inks												
LOCTITE ECI 1010 E&C	Conductive printable ink	 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	• Polyimide film • PET*	15 min. at 120°C					
LOCTITE ECI 1011 E&C	Flexography and conductive printable ink	 High conductivity Small particle size Excellent adhesion Excellent printability with flexography Flexible 	8.3	< 0.005	 Screenprint Flexographic Rotogravure 	 Paper PET* Polyimide film ITO film*** 	10 min. at 150°C					

NON-CONDUCTIVE INKS

Product Name	Description	Key Attributes	Coverage at 10 µm (m²/kg)	Processing	Substrates	Recommended Cure						
Dielectric Inks												
LOCTITE NCI 9001 E&C	Printable dielectric ink	 Insulating Excellent transparency Good flexibility Minimal dielectric strength Excellent flexibility Resistant to abrasion Primer coat to adhere to difficult substrates 	18.8	• Screenprint • Flexographic	 Flexible copper circuits ITO*** sputtered polyester film Metals Glass 	5 min. at 130°C						

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