



Metalon™ Conductive Inks for Printed Electronics

www.novacentrix.com

Metalon™ SC-003

Silver-Copper Ink – Aqueous dispersion

SC-003 is an electrically conductive silver-copper ink designed to produce high-conductivity traces on low temperature substrates such as photo-paper and polymer films. **SC-003** ink is specially formulated for screen printing inexpensive conductive traces.

SC-003 #10 DRAWDOWN BAR						
Substrate	Print thickness (micron)	Cure temp (C)	Cure time (min)	Sheet resistance		Resistivity
				(mohm/sq)	(mohm/sq @ 1 mil)	(micro-ohm cm)
Polyimide	8	ambient	180	660	198	503
	8	150	10	378	113	288
	8	PulseForge	--	146	44	111
Coated PET	10	ambient	180	173	69	176
	10	150	10	184	74	187
	10	PulseForge	--	110	44	112
PET505	8	ambient	180	660	198	503
	8	150	10	429	129	327
	8	PulseForge	--	240	72	183
Glass	23	ambient	180	228	205	521
	23	150	10	114	103	261
	23	PulseForge	--	150	135	343

Physical Properties	General Description	Water-based ink with Ag/Cu flake
	Viscosity	28,000 cP (Brookfield spindle LV #4, 30 rpm)
	Specific Gravity	2.4
	Flash Point	Non-flammable
	Particle Size	4.4 micron (D50)
	Loading %wt	64% wt
Shipping and Packaging	Standard sample order is 100g or multiples of 100g. Inquire directly for packaging of larger quantities.	

www.novacentrix.com

Contact us today to learn more.

Stan Farnsworth: 512 491 9500 x210

stan.farnsworth@novacentrix.com