



Metalon™ Conductive Inks for Printed Electronics

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Metalon™ HPS-030 Silver Screen Ink – Aqueous dispersion

HPS-030 is an electrically conductive silver flake ink designed to produce conductive traces on medium temperature substrates such as glass, polyimide, and silicon. **HPS-030** ink is specially formulated for screen printing, and produced extremely conductive cured traces, with sheet resistances below 3 milliohms per square in some cases.

HPS-030 #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	13	375	5	2.8	1.4	3.6
	13	PulseForge	--	8.8	4.4	11.2
Silicon	28	400	5	5.8	6.4	16
Glass	18	375	5	1.6	1.1	2.8
PET ST505	13	PulseForge	--	11	5.3	13
Coated PET	20	PulseForge	--	4.8	3.8	9.8

Physical Properties	General DescriptionWater based Ag flake ink Viscosity 3,000 cP (Brookfield spindle LV #4, 30 rpm) Specific Gravity3.3 Flash Point Non Flammable Particle Size Nominal diameter (SEM): 600 nm Ag Content 77 % wt.
Shipping and Packaging	Standard sample order is 100g or multiples of 100g. Inquire directly for packaging of larger quantities.

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Contact us today to learn more.
 Stan Farnsworth: 512 491 9500 x210
 stan.farnsworth@novacentrix.com