NOVACENTRIX™

Metalon™ Conductive Inks for Printed Electronics

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Metalon™ HPS-020

Silver Screen Ink – Aqueous dispersion

HPS-020 is an electrically conductive silver flake ink designed to produce conductive traces on low to medium temperature substrates such as PET, glass, polyimide, and silicon. **HPS-020** ink is specially formulated for screen printing, and produces extremely conductive cured traces, with sheet resistances below 3 milliohms per square in some cases.

HPS-020 #10 DRAWDOWN BAR						
				Sheet resistance		Resistivity
Substrate	Print thickness (micron)	Cure temp (C)	Cure time (min)	(mohm/sq)	(mohm/sq @ 1 mil)	(micro-ohm cm)
Polyimide	9	150	30	28	**9.9**	25
	9	375	5	6.0	**2.1**	5.3
	9	PulseForge	--	14	**4.9**	12
Silicon	13	400	5	4.5	**2.3**	5.7
Glass	36	375	5	1.6	**2.2**	5.7
PET (ST505)	8	150	30	35	**11**	27
	8	PulseForge	--	21	**6.4**	16
Coated PET	23	150	30	72	**65**	164
	23	PulseForge	--	6.8	**6.1**	16

Physical Properties	**General Description** .....Water based Ag flake ink **Viscosity** ..... 16,000 cP (Brookfield spindle LV #4, 30 rpm) **Specific Gravity** .....3.5 **Flash Point** ..... Non Flammable **Particle Size** .....D50 1.8 micron D90 4 micron **Ag Content** .....79 % 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.
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