

Metalon® Conductive Inks for Printed Electronics

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Metalon® JR-700LV

Carbon Ink - Aqueous dispersion for Inkjet Printing

JR-700LV is a resistive ink designed to be printed on a variety of porous and non-porous substrates including NoveleTM, polycarbonate, PET, polyimide, metals, and glass. The ink can be thermally cured or PulseForge[®] processed. JR-700LV is formulated for compatibility and stability with desktop piezoelectric printheads such as those manufactured by Epson.

Performance				
Properties	Cure temperature (°C)	Cure time (minutes)	Volume Resistivity (Ω-cm)¹	Substrate
	100	30	1.3	PET
	120	10	1.3	PET
	140	10	1.2	PET
	175	5	1.2	Polyimide
	200	5	1.1	Polyimide
	250	5	1.1	Polyimide
Physical Properties	Value calculated based on estimate of 25% porosity of cured print. General Description			
		Valu		
	Carbon black conten			
	Viscosity Surface tension	3- 30-	* *	-
	z-avg particle size ²	120-		-
	Specific gravity	1.0		
	² Malvern dynamic light scattering			
Shipping and Packaging	Standard sample order is 50 mL or multiples of 50 mL. Bulk packagir also available.			

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Contact us today to learn more.

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