

Membrane Switch/Touch Screen Inks and Dielectrics

SILVER INKS			
Product #	Sheet Resistivity (ohms/sq/mil)	Curing Technique	Comments
102-05F	0.019	Thermal	Bonds to ITO (Indium Tin Oxide) sputtered surfaces. Flexible and screen printable. Crossovers with 116-20, a flexible UV cure dielectric. Temperature, abrasion and chemical resistance.
112-15	0.010	Thermal	Exceptional conductivity. Fast curing. (i.e., 3-5 mins. at 110°C). Screen printable. Conductivity and cost tailoring with 112-48 carbon ink.
101-59	0.015	Thermal	Exceptional flexibility. Screen printable.
118-43	0.010	Thermal	Pad printable version of 101-59.
113-37	0.015	Thermal	Pad printable conductive ink.
110-03	0.020	Thermal	For use in spray, flexographic and rotogravure printing methods. Extremely flexible.
118-09 A/B	0.019	Thermal	Two component, low temperature cure, solvent resistant ink for polyester and other low temperature substrates. Adheres well to ITO (Indium Tin Oxide) sputtered surfaces. For use in crossovers with 116-20, a flexible UV cured dielectric. 118-41 is a one component version of this product.
120-07	0.010	Thermal	Extremely flexible. Cures at temperatures as low as 50°C. Screen printable.
CARBON INKS			
Product #	Sheet Resistivity (ohms/sq/mil)	Curing Technique	Comments
104-18	75.0	Thermal	Bonds to ITO (Indium Tin Oxide) sputtered surfaces. Temperature, abrasion and chemical resistance. Can be blended with 102-05F to tailor cost and conductivity of 102-05F. Can be used with 116-20, a flexible UV cured dielectric. Screen printable.
112-48	20.0	Thermal	Exceptional conductivity. Screen printable. Fast curing. (i.e., 3-5 mins. at 110°C). Can be blended with 112-15 to reduce cost and tailor conductivity of 112-15.
108-46	50.0	Thermal	Exceptional flexibility. Screen printable. Can be blended with 101-59 for cost and conductivity adjustment of 101-59.
116-19	50.0	Thermal	Low temperature cure, screen printable. Can be used with 116-20, a flexible UV cured dielectric. Can be blended with 120-07 for more economical requirements.
119-28	50.0	Thermal	Pad printable version of 108-46.
110-04	50.0	Thermal	Carbon filled. Useful for flexographic and rotogravure printing methods.
DIELECTRIC INKS			
Product #	Dielectric Strength (volts/mil)	Curing Technique	Comments
113-35	525	Thermal	Red, exceptional flexibility.
118-12 A/B	450	Thermal	Solvent resistant. Flexible, low temperature curing. 118-08 A/B is the translucent blue version.
113-48	525	Thermal and UV	Exceptional flexibility, screen printable.
116-20	365	UV	Translucent clear color. Screen printable, solvent resistant, flexible dielectric for use with products 102-05F, 104-18, 105-43, 116-19, 118-09 A/B and 120-07.
120-36	365	UV	Same as above, except translucent blue color.
123-40	365	UV	Same as above, except opaque blue color.
123-43	365	UV	Same as above, except translucent green color.
111-27	1300	Thermal	High dielectric strength, sprayable concentrate.
118-02	1300	Thermal	High dielectric strength, pad printable.

PLEASE CONTACT US FOR OTHER MARKET SPECIFIC PRODUCT SELECTOR GUIDES



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