

# PIE Ink Data Sheet

## Overview:

Cat-i's PIE Ink is a 2 component organic epoxy ink that can be highly opaque depending on color and is designed to be printed on glass only.

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## Material Specifications:

PIE Ink is a 2 component epoxy ink that can be made in a variety of colors. Cat-i can match colors to PMS, Lab values or color swatches supplied by customers. The opaqueness of the ink varies depending on the color. Black PIE Ink has an optical density range of 4.9 - 5.75 with one hit. Some colors may need a backing of white or 2 hits of ink to make it brighter and match supplied samples.

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PIE Ink is non-conductive and excellent for capacitive touch switches, durable to hand and machine dishwashing detergents and alcohols. Due to the high pigmentation in the ink 99% pure IPA wiping may show some evidence of residue on the cloth.

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PIE Ink can withstand heat up to 450°F for 1 hour depending color. White and light pigmentation color ink temperature resistances will vary.

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Over rubbing of the ink can degrade or scratch the ink off the glass. Cat-i recommends to gently wipe clean screen printed areas with 99% pure Isopropyl Alcohol (IPA).

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Ink Thicknesses: can vary depending on mesh counts and ink layering stack ups.  
Standard Ink Thickness = .0004" - .0005" per layer

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Ink Colors: Full PMS color matching available. Custom colors not in stock typically take 6 weeks for samples. There are a small selection of metallic effect inks available upon request.