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## **Functional Inks' 1600-Series Solvent Screen Ink for Plastic**

Functional Inks 1600-Series Solvent Ink has been developed for direct screen printing on plastic. This ink exhibits exceptional adhesion, alcohol resistance and scratch resistance when printed and properly dried on ABS, Acrylic, Polycarbonate, PETG, Polystyrene, and HIPS.

### **User Information:**

**Mesh:** 230-380 tpi monofilament polyester mesh.

**Stencil:** Use direct emulsion or capillary films that are solvent and UV compatible.

**Squeegee:** 70-90 durometer polyurethane

### **Printing:**

1600-series Solvent based Screen ink for plastic substrates is formulated to be press ready after thoroughly mixing the ink. Maintain a working temperature between 65 and 90 degrees F for best print performance. Cover the ink when not in use and protect the ink and screen excess heat.

**Curing Parameters:** The solvent based ink dries by solvent evaporation.

**Mixing Clear:** Use 1601 mixing clear to reduce the density of colors or as a clear base for specialty additives such as metallic powders.

**Overprint Clear:** Use 1621 Overprint clear to provide surface protection and outdoor durability.

**Storage:** Store the ink in tightly closed containers between 65-80F (18-26C). Ink taken from press should not be returned to the original container to avoid contamination of unused ink.