

Multi-Purpose Pad /Screen Printing Ink

Sigma Multi-Purpose pad printing ink is specifically formulated for the demands of the pad printing process; with transferability, opacity, adhesion, flexibility, and high wear resistance being its core attributes. The ink is also very suitable for screen printing.

Characteristics:

Sigma Multi-Purpose ink is a semi-gloss, fast drying ink, and is chemically resistant to oil, grease, ammonia, gasoline and alcohol. To further improve adhesion and other properties, Sigma Multi-Purpose ink can also be used as a 2-component system by adding one of our three catalysts to improve adhesion and other properties.

When used as a single component ink, the ink adheres extremely well to ABS, Acrylics, Polystyrene, Polycarbonate, SAN, PET, Rigid and Flexible PVC, Polypropylene (pretreated), and varnished surfaces.

When used as a two component system (with catalysts), the ink is excellent for Nylon, Polyurethane, Powder coated and Anodized surfaces, Glass, pretreated Polypropylene, pretreated Polyethylene, and POM's such as Delrin*. When catalyzed, the ink has a pot life of 8 hours.

*pretreat and post bake.

Applications:

Sigma Multi-Purpose inks are currently being used in Automotive, Ad Specialty, Cosmetic packaging, Electronic component, Electrical appliance, Eye wear, Defense, Garment, Hand tool, Medical device, Sporting goods and Toy industries.

Advantage:

Sigma Multi-Purpose inks' unique chemistry offers the end user extended run time with less "in process" maintenance (compared to many other inks) thereby reducing thinner usage and VOC emissions. The advantages include savings in time and materials as well as a smaller footprint on our environment.

Color system:

Sigma's color offering includes the following:

- 12 Mixing colors including Black, White, and Clear
- 11 Extra opaque colors including Black and White
- Metallic colors
- CMYK process colors



Sigma Multi-Purpose ink conforms to the following regulations:

- **Class VI Approved Medical Grade:** USP Class VI Certified, In Vitro & In Vivo
- **MIL SPEC:** A-A-208 B TYPE I & II, as well as approved Federal Standard 595 Colors
- **Phthalate Free:** Annex XVII Items 51 & 52 of the REACH Regulation (EC) No. 1907/2006 (formerly known as Directive 2005/84/EC)
- **RoHS Compliant:** free of Lead, Cadmium, Mercury, Hex-CR, PBB, PBDE-fire retardant
- **REACH Compliant:** free of SVHC, as listed by ECHA
- **EN 71-3:** International Toy Safety standard regarding the use of toxic chemicals

