



# PRODUCT DATA SHEET

## TSP

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## Temperature Stable Puff Inks

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#### Product Overview:

TSP Puff Inks are plastisol printing inks which have been formulated to produce a high “Puff” effect on a variety of fabrics. These inks print smooth and have an even rise for a clean, sharp print. They have low bleed qualities and are very durable when cured properly.

#### Printing:

Puff inks are generally printed through coarse meshes, 60-80 TPI (23-31 TPcm) and as high as 110-160 TPI (43-62 TPcm). Screens stretched to a minimum of 25 newtons are recommended. This allows you to lay the ink on the surface of the shirt using minimal squeegee pressure and minimal off contact.

#### Stencil:

Use any direct emulsion or capillary film.

#### Substrates:

TSP may be printed on 100% cotton, cotton/poly blends, acrylics and polyesters. Pre-production run testing is always recommended to ensure adhesion, washability and dye migration, amongst other things.

#### Curing:

Recommended cure temperature is 320-340°F (160-171°C) for 60-90 seconds, depending on curing unit and thickness of ink deposit. Lower temperatures may not produce adequate puffing and higher temperatures or excessive duration in the dryer may cause ink to over-puff and collapse.

#### Cleanup:

Use any of the commercially available products for the cleanup of plastisol inks.

#### Environmentally Friendly:

QCM Plastisol Ink contains no leaded pigments and, when properly disposed of, has no environmental impact. Use a screen wash for plastisols for cleanup. Scrape screens carefully and store ink for reuse. Minimize unusable scrap ink by segregating ink by color. QCM PPR-901 Black pigment can be used to convert old ink into black ink for waste elimination.