

®CSC SCREEN PROCESS SUPPLIES SDN. BHD.

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TECHNICAL DATA SHEET

POLYGRAY

GENERAL INFORMATION

Polygray is a PVC Plastisol which is free of Phthalate and Formaldehyde. In countering today's polyester migration problems in using Plastisol ink, CSC Screen Process Supplies had developed a phthalate free solution. We are proud to introduce our Polygray. This is an excellent product for use for printing brilliance light shade on dark color polyester fabrics where disperse dyestuff migration are common.

TYPE OF FABRICS

Blends polyester Cotton, Polyester, Polyester Lycra, Polyester Monofilament and certain polyester High-tech fabric.

****ALWAYS PRETEST FASTNESS PROPERTIES BEFORE PRODUCTION****

APPLICATION METHOD

Polygray is recommended to be use direct from the can.

- Always lay down higher deposit of ink by using causer mesh, rounded squeegee and soft table.
- Minimal ink thickness recommended for Polygray to be printed on to the fabric should not less than 20 micron.
- Flash using IR Quartz heat source at 250°C until ink is touch dry.
- Ink should be cure at 160 °C.

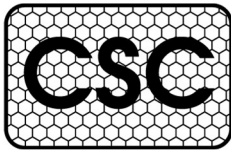
Note: It is important to stir this product before use. Lids must be kept on the containers at all times.

TYPE OF STENCIL & MESH

Printers are advice to use only direct in direct emulsion. Capillary film are recommended for high density printing (Call your emulsion supplier for water resist emulsion).

Mesh Type

41~90T monofilament mesh are recommended for printing the Polygray.



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SQUEEGEE AND TABLE

Use 65/90/65 shore hardness squeegee for printing Polygray.

DRYING AND POLYMERIZATION

For maximum fastness, prints are to be cure at 160°C or 320°F. Airflow recommended is 56 m³/min or 2000 ft³/min for 2 minutes at ink film thickness below 35 µm.

OTHERS IMPORTANT TIPS

Always incubate printed Polygray to confirm on disperse dye migration properties for a minimal of 15 days at room temperature of 36 °C and humid of 70%. Store ink at room temperature (Below 50°C) to prevent viscosity built up. Inks have pot life of 24 month if store at temperature above room temperature the shelf life of the ink will be shorten.

Info: 11.13.14