



QS-9000/ISO 9001 Registration #60047

Technical Data Sheet:

212

Date:

August 8, 2001

Product:

MH0540 V.O. Base

FEATURES

- Short body and very low wet tack for easy printing with *no build-up*.
- Fast shearing action means higher press speeds.
- Easy to use, helps maintain printable viscosity when mixed with Color Boosters.
- Can be mixed with up to 50% Color Boosters to match thousands of colors.
- Mixed colors will print with a satin finish.
- Increased opacity of mixed colors as compared to other bases.

DESCRIPTION

MH0540 V.O. Base is formulated as a press-ready plastisol base for mixing colors and printing on 100% Cotton or over a low bleed underlay when printing on poly/cotton blends.

APPLICATION

Mix MH0540 with Color Boosters and print directly onto substrates. MH0540 is normally printed through mesh ranges from 86 - 280 mc./in. Recommend 70-80 Durometer squeegee with sharp edge for maximum definition. Proper cure is achieved when garment reaches 320 degrees F.

RECOMMENDED PRINTING TECHNIQUES

Manual Machine Printing

- Load ink into mesh opening with hard, sharp squeegee.
- Only the image area should be filled with ink.
- Transfer ink to the fabric surface with a light squeegee pass using just enough pressure to clear the mesh.

Automatic Machine Printing

- Examine the flood bar and smooth edges if necessary.
- Adjust the flood to just transfer the ink from the front to the back of the screen.
- Transfer ink to the fabric surface with a light squeegee pass using just enough pressure to clear the mesh.

SPECIAL RECOMMENDATIONS

Plastisols are THERMOPLASTIC, requiring heat for fusion. Test print area for crock fastness. Should color rub off on white cloth, adjust oven temperatures and/or dwell time until crock test passes (cloth wipes clean). Stir plastisols prior to printing. Do not dry clean. Do not use bleach. Do not iron image area.

MH0540 is available in 5-gallon pails, 30-gallon drums, and 55-gallon drums.

Any application not referenced in this technical data should be pretested or consultation sought with Rutland's Applications Laboratory prior to printing.

TECHNICAL DATA

Wet Ink Tack - Low

After Flash Tack - Low

Printability - Great

Surface Appearance - Satin

Opacity/Viscosity - High/High

Bleed Resistance - N/A

Gel Point / Flash Time - 160°f. / decreases with deposit thickness

Fusion Temperature - 320° f.

Squeegee Hardness/ Blade/ Angle - Hard/ Sharp/ 45°

Squeegee Speed - Medium to High

Underlay - ML9240 Snap White

Emulsion - Capillary Film or Liquid

Mesh Count - 86 - 280 mc. In.

Extender - N/A

Thickener - M00010 or M00333

Storage - 65°F to 95°F. Avoid direct sun

Cleanup - Mineral Spirits, Varsol or some non-hazardous screen washes

MSDS - #1

Color Range - MH0540 V.O. Base

Substrate Type - Cotton

Substrate Color(s) - Light, Medium, & dark fabrics.

Note:

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