



QS-9000/ISO 9001 Registration #60047

Technical Data Sheet:

# 204

Date:

April 10, 2001

Subject: High Black

MH8010

FEATURES

High concentrate black for converting excess plastisol colors into a usable black plastisol. May be applied as a press ready plastisol for printing on dark 100% cotton or white and light 50/50 polyester/cotton fabrics. Creamy, short body plastisol for easy printing. Tack free formulation for fast shearing action. User friendly, no viscosity modifications necessary.

DESCRIPTION

MH8010 High Black is a high concentrated black plastisol designed for converting waste or excess ink colors into a usable black plastisol. Extend with 20 to 30% by weight, MS0000 Primer Clear to obtain a standard, lower cost, black plastisol for printing on white 100% cotton or 50/50 polyester or dark 100% cotton.

APPLICATION

Black formulae must be generated by the screen printer. The amount of white in the excess ink color to be converted will determine the amount of MH8010 that will be necessary for converting to black. For example, 50 parts of a light blue may take 50 parts of High black to create a true black. Any less black may result in a gray color. Continue to add High Black to color until the desired black color is established. It is recommended to strike off the color and fuse completely prior to final approval. Some plastisol mixes may appear dark gray in the container yet print as a acceptable black. Another approach may be to fill container 1/2 full with MH8010 High Black and add excess color until there is a slight visual change in the High Black to dark gray. Strike off color, fuse and approve prior to production run.

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.

Automatic Machine Printing

- Examine the flood bar and smooth edges if necessary. Adjust the flood bar as closely to the screen as possible, to fill the mesh opening with ink. Transfer the ink to the garment with a light squeegee pass.

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. Use a piece of transfer paper to iron image area if desired. Most plastisols available in 1, 5, 30, and 55 gallon containers. Customer service, color matching assistance available. Education and training at Rutland Plastic Technologies, Inc..

Table with 2 columns: Property (e.g., Wet Ink Tack, After Flash Tack, Printability) and Value (e.g., Low, short body, tack free; N/A; Excellent, for fast production).

AVAILABLE COLORS

Stock MH Color: MH8010 High Black

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

All recommendations and statements made, if any, are based on Rutland's research and experience. However, since Rutland has no control over the conditions of use or storage of the product sold, Rutland cannot guarantee the results obtained through the use of its products.

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