

Multi-Chromatic pigments are added to solvent-based and UV-curable screen printing ink systems and provide a metallic finish with color-travel variations depending on viewing angle. For example, one of the pigments changes color appearance from subtle turquoise through brilliant silver to metallic red hues. The pigment should be printed over a black surface to achieve the highest effect. These pigments can be combined with transparent colors to provide additional effects.

USES Multi-Chromatic pigments can be used with Nazdar solvent-based and UV-curable ink series.

USER INFORMATION

While technical information and advice on the use of this product is provided in good faith, the User bears sole responsibility for selecting the appropriate product for their end-use requirements. See full disclaimer at the end of the document.

MESH Match the screen mesh count to the particle size. When the mesh opening is too small, larger pigment particles are blocked from passing through the screen and onto the substrate, eventually blocking the ink. The standard Multi-Chromatic pigments available range in size from 5-50 microns. 230-305 tpi (90-120 tpcm) mesh can be used; the higher mesh count may produce more blocking of the mesh with longer print runs. Reference your mesh manufacturer's guidelines as to the mesh count, thread diameter, and mesh open area.

PIGMENT LOAD Mix up to 10% pigment by weight depending on ink system, mesh count, adhesion, cure, and desired effect. When inks are to be printed over Multi-Chromatic colors, the overprinting ink(s) must be evaluated for intercoat adhesion before proceeding with the production run. To maximize intercoat adhesion over Multi-Chromatic colors, we recommend that Multi-Chromatic colors be printed as late as possible in the print sequence. Multi-Chromatic pigments can be combined with Pearlescent and Interference pigments to create numerous effects. Higher pigment loads may require higher cure levels. Test adhesion properties when determining pigment load.

MIXING CLEAR Multi-Chromatic pigments are intended to be used with mixing clear or metallic mixing clear.

STORAGE Tightly closed in dry area.

HANDLING Inhalation is the primary route of exposure and irritation with Multi-Chromatic pigments. Therefore, it is recommended that all personnel mixing and handling these products minimize the creation of dust. If pigment is inhaled, seek fresh air and consult a doctor if feeling unwell. Consult the Multi-Chromatic Material Safety Data Sheet for further instructions and warnings.

PRINTED MATERIAL *Special Effects Color Card (CARDSPL)*: provides screens printed samples and visual reference of the Pearlescent pigments over white and black backgrounds.

PACKAGING All pigments are available in 1 pound containers.

Stock Number	Multi-Chromatic Pigments	Particle Size Range (microns)
SIPI532	T10-01 Viola	5-50
SIPI533	T10-02 Arctic Fire	5-50
SIPI534	T10-03 Autumn	5-50

Nazdar® stands behind the quality of this product. Nazdar® cannot, however, guarantee the finished results because Nazdar® exercises no control over individual operating conditions and production procedures. While technical information and advice on the use of this product is provided in good faith, the User bears sole responsibility for selecting the appropriate product for their end-use requirements. Users are also responsible for testing to determine that our product will perform as expected during the printed item's entire life-cycle from printing, post-print processing, and shipment to end-use. This product has been specially formulated for screen printing, and it has not been tested for application by any other method. Any liability associated with the use of this product is limited to the value of the product purchased from Nazdar®.

Based on information from our raw material suppliers, these products are formulated to contain less than 0.06% lead. If exact heavy metal content is required, independent lab analysis is recommended.

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