

Technical information

Screen Inks



Micro TEX - TNY

High Opacity, Intense Colours

Screen Inks for Textiles



Substrates ::

Solvent based textile inks for cotton, cotton polyester blends, linen, nylon

Application

Micro TEX -TNY are the solvent based one / two pack screen printing inks specially designed to print on nylon and synthetic fabrics. This series has brilliant and opaque shades. Ideal for soft luggage, sportswear garments, labels, footwear and industrial clothing. They have excellent wash and dry clean resistance

CHARACTERISTICS

- Excellent crock resistance and wash fastness
- Brilliant colours with extra opacity
- Lead free
- Excellent screen stability

PRINTING CONDITIONS

- Screen mesh - recommended 200 to 300 mesh per/inch (77 to 120 mesh/cm) or finer mesh depending on the type of job
- Squeegee - soft or medium hard polyurethane squeegee
- Stencil - all solvent resistant stencil materials and stencil films are suitable

Dying

The print becomes surface dry in 5 to 8 minutes and hard dry in 30 to 45 minutes at a temperature of 25°C making them suitable for stacking

It takes about 1-2 minutes to become tack-free dry when passed through a tunnel oven at 50 to 70°C

RANGE

Micro TEX-TNY Matching System : Almost any shade can be matched by mixing the selective inks of the matching system which comprises of the basic shades as follows :

Match Light Yellow	TNY - 101	Match Violet	TNY - 141
Match Mid Yellow	TNY - 102	Match Ultra Blue	TNY - 151
Match Deep Orange	TNY - 111	Match Deep Blue	TNY - 152
Match Scarlet Red	TNY - 121	Match Green	TNY - 161
Match Carmine Red	TNY - 122	Match Tinting White	TNY - 171
Match Magenta	TNY - 131	Match Tinting Black	TNY - 181
Mixing Clear Base	TNY - 191	Mixing Extender Base	TNY - 192

Spot Colours

Bright Yellow	TEV - 201	Reflex Blue	TEV - 258
Light Orange	TEV - 211	Yellow Green	TEV - 261
Vermilion	TEV - 221	Grass Green	TEV - 262
Brilliant Red	TEV - 223	Forest Green	TEV - 263
Purple	TEV - 241	Opaque White	TEV - 271
Sky Blue	TEV - 251	Brilliant White	TEV - 272
Royal Blue	TEV - 252	Dense Black	TEV - 281

Process Colours :

Cyan	TNY - 401
Magenta	TNY - 402
Yellow	TNY - 403
Black	TNY - 404

By adding Extender Base TNY - 192, the ink density can be reduced. The ink density can be increased by adding ink concentrates for the process colours in required proportion or by using a coarser mesh

Speciality Inks:

Mica Metallics :

Rich Gold	SH - 861
Rich Pale Gold	SH - 862
Silver	SH - 864
Clear Base	TNY - 195

Auxiliaries

Reducer TNY-901 can be added 10 to 20 % to the ink to get desired consistency

Retarder TNY-902 can be added 10 to 20 % to the ink to get desired consistency when required to make the ink slow drying. Even a suitable combination of the Retarder with the Reducer can be used to get desired retarding effect

Quick Dry Reducer TNY -903 can be used instead of TNY - 901 for very high speed printing job

Catalyst TNY - 601 can be added to enhance the air-drying time as well as fastness of ink on synthetic fabrics with a pot-life of 6-8 hours of the mixture of ink and catalyst

Important Note:

- It must be ensured that the entire thickness of the ink film is given enough time to reach the cure temperature to achieve the desired resistance properties
- Users should satisfy themselves for the compatibility of Micro TEX - TNY inks with specific fabrics and the desired resistance properties before commencing production run
- Users should always test for curing, adhesion, washability and other requirements before commencing production run
- Prints may be ironed from the back of the fabric at cool setting, with a cloth over the printed area
- Due to variation in the substrates and the ink film - thickness, slight colour variation from the actual ink shade is unavoidable

Material Safety Data Sheet is available on request

Note : The Technical information sheet reflects the current state of our knowledge. This information is compiled based upon field experience and extensive laboratory testing. However, customers are requested to satisfy themselves that the products meet their requirements in all respects before starting a print run. Since the printing conditions are not under our control, no guarantee can be given for their performance.