

Technical information

ScreenInks

MicroTEX-TNY

HighOpacity ,IntenseColours



ScreenInksforT extiles

Substrates: :

Solventbasedtextileinksforcotton,cottonpolyesterblends,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, footwears and industrial clothings. 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-softformediumhardpolyurethanesqueegee
- Stencil-allsolventresistantstencilmaterialsandstencilfilmsaresuitable

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 :

MatchLight Yellow	TNY-101	MatchViolet	TNY -141
MatchMid Yellow	TNY- 102	MatchUltraBlue	TNY -151
MatchDeepOrange	TNY- 111	MatchDeepBlue	TNY -152
MatchScarletRed	TNY- 121	MatchGreen	TNY -161
MatchCarmineRed	TNY- 122	Match TintingWhite	TNY -171
MatchMagenta	TNY- 131	Match TintingBlack	TNY -181
MixingClearBase	TNY- 191	MixingExtenderBase	TNY -192

SpotColours

Bright Yellow	TEV-201	ReflexBlue	TEV -258
LightOrange	TEV-21 1	YellowGreen	TEV -261
Vermilion	TEV-221	GrassGreen	TEV -262
BrilliantRed	TEV-223	ForestGreen	TEV -263
Purple	TEV-241	OpaqueWhite	TEV -271
SkyBlue	TEV-251	BrilliantWhite	TEV -272
RoyalBlue	TEV-252	DenseBlack	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.