Technical Information

Screen Inks I Textile Printing

NYLON TNY

High Opacity, Intense Colours

Solvent based inks for Nylon, Rexin & Synthetic Fabrics

Application

TEXTOPLAST 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 sportswear garments, labels, footwear's and industrial clothing's. They have excellent wash and dry clean resistance

Characteristics

- Excellent crack resistance and wash fastness
- Brilliant colours with extra opacity
- Lead free & ROHS compliance
- 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 emulsions and stencil films are suitable

Drying

The print becomes surface dry in 5 to 8 min. and hard dry in 30 to 45 min. at a temperature of 25º C making them suitable for stacking. It takes about 1 - 2 min. to become tack-free dry when passed through a tunnel oven at 50 to 70º C

Range

TEXTOPLAST 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 Trans Ink	TNY - 191	Mixing Trans White	TNY - 192

Spot Colours

Bright Yellow	TNY - 201	Reflex Blue	TNY - 253
Light Orange	TNY - 211	Yellow Green	TNY - 261
Vermilion	TNY - 221	Grass Green	TNY - 262
Brilliant Red	TNY - 223	Forest Green	TNY - 263
Purple	TNY - 241	Opaque White	TNY - 271
Sky Blue	TNY - 251	Brilliant White	TNY - 272
Royal Blue	TNY - 252	Dense Black	TNY - 281

Process Colours

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

By adding Clear Base TNY - 191, 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

Specialty Inks

Mica Metallic	
Rich Gold Mica-Metallic	SH - 861
Rich Pale Gold Mica-Metallic	SH - 862
Silver Mica-Metallic	SH - 864
Mica-Metallic Binder	TNY - 195

Auxiliaries

Ink Rheology Improver SRINY - 9078 can be added 10 to 20 % to the ink to get a desired consistency.
SRINY - 902 can be added 10 to 20 % to the ink to get a desired consistency when required to make the ink slow drying. Even a suitable combination of the both can be used to get a desired retarding effect.

Hardener TNY - 601 - 10% 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 hardener.
TNY - 602 - 2 - 3% can be added to achieve resistance properties at - 5 to 0 C

Note

- It must be ensured that the entire thickness of the ink film is given enough time to completely dry to achieve the desired resistance properties
- Users should satisfy themselves for the compatibility of TEXTOPLAST TNY inks with specific fabrics and the desired resistance properties before commencing production run
- Users should always test for curing, adhesion, wash ability and other requirements before commencing production run
- Prints may be ironed from the back of the fabric at a 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

Shelf Life

Best before 12 months in original sealed containers from the month of manufacture

Note - Material Safety Data Sheet is available on request