

Technical Data Sheet

TPC 100

1-Component-Pad Printing Ink

TPC 100_en3.doc

20.11.2008 / 24.07.2008 / Lgg

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1-Component Pad Printing Ink TPC 100

Application

For compact discs, polyester, polyamide, pre-treated polyolefines (polyethylene, polypropylene), coated substrates (Pre-tests are always necessary).
Do not use for rigid and plasticized PVC!

Properties

TPC 100-NT is quick drying, has a good opacity and shows a glossy finish.

Colour Shades

The colour shades of the TPC 100-NT range show heavy metal free pigmentation and correspond to EN 71, part 3, safety of toys, migration of certain elements.

Ink Colour Programme

Standard Shades

TPC 100/10-NT citric yellow
TPC 100/11-NT medium yellow
TPC 100/14-NT light orange
TPC 100/20-NT light red
TPC 100/21-NT bright red
TPC 100/22-NT carmine red
TPC 100/30-NT light blue
TPC 100/32-NT ultra blue
TPC 100/33-NT dark-blue
TPC 100/36-NT blue-violet
TPC 100/37-NT violet
TPC 100/40-NT light green
TPC 100/41-NT fir green

TPC 100/60-NT white
TPC 100/65-NT black

Other shades can be manufactured subject to our special ink shade regulation.

Process Colour according to European Scale

TPC 100/180-NT yellow
TPC 100/181-NT magenta

TPC 100/182-NT cyan

Mixing System - Base Colours

TPC 100/GF-01-NT primrose
TPC 100/GF-02-NT golden yellow
TPC 100/GF-03-NT orange
TPC 100/GF-04-NT scarlet
TPC 100/GF-05-NT magenta
TPC 100/GF-06-NT red
TPC 100/GF-07-NT violet
TPC 100/GF-08-NT blue
TPC 100/GF-09-NT green
TPC 100/GF-11-NT white
TPC 100/GF-12-NT black
TPC 100/GF-13 varnish

For mixing of colour shades the formulations listed in the GF-recipe-catalogue can be used as a guide.

Adjustment for Pad Printing

Prior to processing pad printing inks TPC 100-NT are adjusted with approx. 15-30% thinner VD or special thinner VX.
For retardation use ZG.

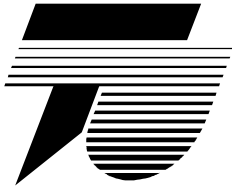
Drying

Pad printing inks TPC 100-NT are air drying, i.e. by evaporation of solvents. At room temperature drying time is approx. 1-2 minutes. With heat application and air circulation approx. 10 sec.

At room temperature pad printing inks TPC 100-NT are well cured after approx. 10 min.

Cleaning

For cleaning of stencils and tools our universal cleaning agent RE can be used.



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Packing

TPC 100-NT inks are available in 1 litre cans (approx. 1.06 qt.) only.

Shelf Life

For information regarding shelf life please see tin label.

Marking

Read material safety data sheets prior to processing.

The material safety data sheets according to (EG) 1907/2006 contain marking in compliance with the regulation on dangerous preparations (1999/45/EG) as well as instructions for precautions when processing, handling and storing as well as first aid.

The information given in the material safety data sheet refers to processing as described in this product data sheet.

The statements in our leaflets and safety data sheets are based on our present experiences, however they are no assurance of product properties and do not justify a contractual legal relationship. They serve to advise our business associates, but it is absolutely necessary to make your own printing tests under local conditions, with regard to the intended purpose prior to starting the job.

*- All former leaflets are no longer valid. April 2008.
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