Technical Data Sheet TPC 261, 2-Component Pad Printing Ink

2-Component Pad Printing Ink TPC 261

Application
For polyethylene, polypropylene, acrylics, wood, glass, metals, duroplast, lacquered surfaces, polyamide, polycarbonate and polyurethane.

Properties
High gloss, flexibility and opacity. Excellent flow. Physically drying, chemically-reactive hardening.

Colour Shades
The colour shades of the TPC 261-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 (no stockable)

TPC 261/60-HD NT white, highly opaque
TPC 261/65-NT black

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

Process Colour according to European Scale

Shades can be manufactured subject to our special ink shade regulation.

TPC 261/180-NT yellow
TPC 261/181-NT magenta
TPC 261/182-NT cyan

Mixing System Base Colours

Shades can be manufactured subject to our special ink shade regulation.

Metal Colour Tones

Shades can be manufactured subject to our special ink shade regulation.

TPC 261/75-NT bright gold
TPC 261/76-NT medium gold
TPC 261/77-NT bronce
TPC 261/78-NT copper
TPC 261/79-NT silver

Adjustment for Pad Printing
In order to meet higher demands regarding mechanical and chemical resistance as well as adhesion, ink type TPC 261-NT may also be used as a 2-component printing ink.
Mixing ratio pad printing ink TPC 261-NT: hardener HP is 5 : 1 parts by weight.
Pot life of the mixed ink is approx. 12 hours. After this time adhesion and resistances might be reduced, even if the ink still seems to be liquid and processable.

Drying
Ink type TPC 261-NT air dries, i.e. by evaporation of solvents. At room temperature (20-25°C; 68-77°F) drying time is approx. 5 minutes.
With heat application and air circulation 30 seconds. It will take approx. 24 hours to completely cure.
If processed as 2-component ink mechanical and chemical resistances will only be achieved after 3-4 days.
Heat treatment at elevated temperatures is necessary (e.g. 140° C/25 min.).
Prior to processing pad printing inks TPC 261-NT are adjusted with approx. 15-30% thinner VC. For retardation use ZF.

Cleaning
For cleaning of stencils and tools our universal cleaning agent RE can be used.
Screen Spray cleaning agent should not be used when processing 2-component inks, as it might have a bad effect on the pot life of these inks.

Packing
TPC 261-NT inks are available in 1 liter cans (approx. 1.06 qt.) .

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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 91/155/EWG contain marking in compliance with the regulation on dangerous working materials 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 technical leaflet.

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. August 2002.

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