



Technical Data Sheet

TPC 160

1- Component Pad Printing Ink

TPC 160_en2.doc

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1- Component Pad Printing Ink TPC 160

Application

For all kinds of thermoplastics except polyolefines. Especially suitable for polystyrene, rigid and plastizised PVC and coated surfaces.

Properties

TPC 160-NT are quick drying pad printing inks which show a semi-gloss finish. Due to their high pigment content they show very good opacity.

TPC 160-NT inks also show excellent resistance against alcoholic cleaning agents and hand sweat. The colour shades of TPC 160-NT are weldable with the exception of black and the bronze shades. Weldable black is TPC 160 / 66-IR.

Colour Shades

The colour shades of the TPC 160-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 160/10-NT light yellow
TPC 160/11-NT dark yellow
TPC 160/12-NT orange yellow
TPC 160/15-NT orange
TPC 160/17-NT ochre
TPC 160/20-NT light red
TPC 160/21-NT red
TPC 160/22-NT dark red
TPC 160/25-NT pink
TPC 160/30-NT luminous blue
TPC 160/31-NT blue
TPC 160/32-NT dark blue
TPC 160/33-NT black blue
TPC 160/34-NT light blue
TPC 160/37-NT violet
TPC 160/40-NT light green

TPC 160/41-NT dark green
TPC 160/42-NT turquoise
TPC 160/50-NT light brown
TPC 160/51-NT dark brown
TPC 160/60-NT white,
TPC 160/65-NT black

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

Highly Opaque Standard Shades HD

TPC 160/10-HD-NT light yellow highly opaque
TPC 160/11-HD-NT dark yellow highly opaque
TPC 160/12-HD-NT orange yellow highly op.
TPC 160/15-HD-NT orange highly opaque
TPC 160/20-HD-NT light red highly opaque
TPC 160/21-HD-NT red highly opaque
TPC 160/22-HD-NT dark red highly opaque
TPC 160/30-HD-NT luminous blue highly op.
TPC 160/37-HD-NT violet highly opaque
TPC 160/40-HD-NT light green highly opaque
TPC 160/60-HD-NT white highly opaque
TPC 160/65-HD-NT black highly opaque

Process Colour according to European Scale

TPC 160/180-NT yellow
TPC 160/181-NT magenta
TPC 160/182-NT cyan

Mixing System Base Colours

TPC 160/GF-01-NT primrose
TPC 160/GF-02-NT golden yellow
TPC 160/GF-03-NT orange
TPC 160/GF-04-NT scarlet
TPC 160/GF-05-NT magenta
TPC 160/GF-06-NT red
TPC 160/GF-07-NT violet
TPC 160/GF-08-NT blue
TPC 160/GF-09-NT green
TPC 160/GF-11-NT white
TPC 160/GF-12-NT black
TPC 160/GF-13 varnish



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Adjustment for Pad Printing

Pad printing inks TPC 160-NT are adjusted to printing consistency with 15-30% Thinner VD. Use ZG as retarder.

Drying

TPC 160-NT are air drying, i.e. by evaporation of solvents.

At room temperature (20-25°C; 68-77°F) drying time is approx. 1-2 minutes. With heat application and air circulation drying time is approx. 10-20 seconds.

Cleaning

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

Packing

TPC 160-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. Version Nr.4