



# Technical Data Sheet

## TPC 460

### Heat-Curing Pad Printing Ink

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## Heat Curing Pad Printing Ink TPC 460

### Application

For duroplastics, glass, coated surfaces, metals and polyester. Various special adjustments have been developed for the semi-conductor industry (IC's).

### Properties

TPC 460 are **oven curing** pad printing inks, which show gloss, good opacity and weather resistance.

### Colour Shades

The colour shades of the TPC 460 range show heavy metal free pigmentation and correspond to EN 71, part 3, safety of toys, migration of certain elements.

### Ink Colour Programm

#### Standard Shades

TPC 460/10-NT citric yellow  
TPC 460/11-NT medium yellow  
TPC 460/12-NT dark yellow  
TPC 460/17-NT ochre yellow  
TPC 460/21-NT bright red  
TPC 460/25-NT pink  
TPC 460/30-NT light blue  
TPC 460/32-NT ultra blue  
TPC 460/33-NT dark blue  
TPC 460/40-NT light green  
TPC 460/41-NT fir green  
TPC 460/42-NT brilliant green  
TPC 460/50-NT light brown  
TPC 460/60-NT white  
TPC 460/65-NT black  
TPC 460/65-HD-NT black, highly opaque

Other colour shades can be manufactured subject to our special production regulation.

#### Process Colours according to Europe Scale

TPC 460/180-NT yellow  
TPC 460/181-NT magenta  
TPC 460/182-NT cyan

### Adjustment for Pad Printing

Pad printing inks TPC 460 are adjusted to printing consistency with 15- 30% thinner VD. Use ZG as retarder.

### Drying

The following temperatures and drying times are required:

120°C	(248°F)	approx.	30-40	min.
140°C	(284°F)	approx.	20-30	min.
160°C	(320°F)	approx.	15-20	min.
180°C	(356°F)	approx.	10-15	min.

There will be no yellowing within above temperatures and drying times.

### Cleaning

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

### Packing

TPC 460 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***