



# Technical Data Sheet

## TPC 490

### 1- Component Pad Printing Ink

TPC 490\_en2.doc

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## Pad Printing Ink TPC 490

### Application

For printing onto untreated **polypropylene**. Due to various degrees of polymerisation as well as contents and fillers the substrate polypropylene shows an undefined printability. Therefore printing tests in production conditions are absolutely necessary.

### Properties and Processing

TPC 490 inks are processed as 1-component pad printing inks. They result in a semi-gloss finish. TPC 490 inks are **not resistant to hand sweat** and are therefore not suitable for printing onto writing utensils etc.

### Colour Shades

The colour shades of the TPC 490 range show heavy metal free pigmentation and correspond to EN 71, part 3, safety of toys, migration of certain elements.

### Adjustment for Pad Printing

TPC 490 inks are processed as 1-component system. They are adjusted to printing consistency with approx. 10-20% thinner VD. For retardation use ZG.

### Drying

The system is air drying. Drying time is about 10-15 minutes at room temperature. Heat application will reduce drying time.

### Cleaning

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

### Packing

TPC 490 inks are available in 1 litre cans (approx. 1.06 qt.) only.

### Shelf Life

For information regarding shelf life please see tin label.

### Ink Colour Programme

*Process Colour according to European Scale*

TPC 490/180-NT euro yellow  
TPC 490/181-NT euro magenta  
TPC 490/182-NT euro cyan

*Mixing System Base Colours*

TPC 490/GF-01-NT primrose  
TPC 490/GF-02-NT golden yellow  
TPC 490/GF-03-NT orange  
TPC 490/GF-04-NT scarlet  
TPC 490/GF-05-NT magenta  
TPC 490/GF-06-NT red  
TPC 490/GF-07-NT violet  
TPC 490/GF-08-NT blue  
TPC 490/GF-09-NT green  
TPC 490/GF-11-NT white  
TPC 490/GF-12-NT black  
TPC 490/GF-13 varnish

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

### 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.3***