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Technical Data Sheet

TPC 490

1- Component Pad Printing Ink

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 liter 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 yellow
TPC 490/181-NT magenta
TPC 490/182-NT 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 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.