Product Data Sheet

PAD PRINTING INKS TPI-NT

APPLICATION

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

PROPERTIES

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

TPI-NT inks also show excellent resistance against alcoholic cleaning agents and hand sweat. The colour shades of TPI-NT are weldable with the exception of black and the bronze shades.

Weldable black is TPI 66-IR. For bronze shades the letters "HF" are added to the colour name (e.g. TPI 79/HF).

COLOUR SHADES

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

ADJUSTMENT FOR PAD PRINTING

Pad printing inks TPI-NT are adjusted to printing consistency with 15-30% Additive A. Use TPD as retarder.

DRYING

TPI-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 thinner VD 40 or Cliché Spray can be used.

PACKING

TPI-NT inks are available in 1 liter cans only.

SHELF LIFE

For information regarding shelf life please see tin label.

CLASSIFICATION

Read material safety data sheets prior to processing.

The material safety data sheets according to Regulation (EC) No 1907/2006 contain classification according to preparations directive (1999/45/EC) 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.

STANDARD SHADES

citric yellow	TPI/10-NT	ultra marine	TPI/32-NT
citric yellow, highly opaque	TPI/10-HD-NT	dark blue	TPI/33-NT
medium yellow	TPI/11-NT	violet	TPI/37-NT
medium yellow, highly opaque	TPI/11-HD-NT	violet, highly opaque	TPI/37-HD-NT
dark yellow	TPI/12-NT	light green	TPI/40-NT
dark yellow, highly opaque	TPI/12-HD-NT	light green, highly opaque	TPI/40-HD-NT
orange	TPI/15-NT	fir green	TPI/41-NT
orange, highly opaque	TPI-15-HD-NT	brilliant green	TPI/42-NT
light red	TPI/20-NT	green	TPI/44-NT
light red, highly opaque	TPI/20-HD-NT	light brown	TPI/50-NT
bright red	TPI/21-NT	dark brown	TPI/51-NT
bright red, highly opaque	TPI/21-HD-NT	white	TPI/60-NT
carmine red	TPI/22-NT	white, highly opaque	TPI/60-HD-NT
carmine red, highly opaque	TPI/22-HD-NT	black	TPI/65-NT
light blue	TPI/30-NT	black, highly opaque	TPI/65-HD-NT
light blue, highly opaque	TPI/30-HD-NT	black, weldable	TPI/66-IR
medium blue	TPI/31-NT		

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

PROCESS COLOURS ACCORDING TO EUROPE SCALE

yellow	TPI/180-NT
magenta	TPI/181-NT
cyan	TPI/182-NT

C-MIX 2000 BASE COLOURS

citric yellow	TPI/Y30	magenta	TPI/M50
golden yellow	TPI/Y50	blue	TPI/B50
orange	TPI/O50	green	TPI/G50
scarlet	TPI/R20	black	TPI/N50
red	TPI/R50	white	TPI/W50
violet	TPI/V50	varnish	TPI/E50