

# Pad printing inks





# Contents



- **T200** for universal use including the highest regulatory requirements Page 4/5
- **T120** for rotary pad printing (bottle caps and syringes) Page 6
- **T35** for toys Page 7
- **T01** for electronic/household appliances Page 8
- **T28** for glass, ceramics, metal, aluminum and lacquered/chromed surfaces Page 9
- **T25** for untreated polypropylene Page 10
- **T38** for the automotive sector Page 11

# Pad printing inks for universal use

## T200



### ■ Your benefits

- Free from phthalates and BPA as well as cyclohexanone, butyl glycolate, aromatic solvents, barium, fluorine and bromine
- Corresponds to common industrial standards and the
  - EuPIA Exclusion Policy
  - REACH regulation (SVHC)
  - Swiss Ordinance (SR 817.023.21)
  - Canadian Hazardous Products Act (R.S., c.H-3, s.1.)
  - USP Medical Class VI (exclusively for black)
  - GADSL list
- Meets the criteria of Michigan Testing Institute; can therefore be used for components in automotive sector
- Compliant with the current European standard EN 71-3
- Compliant with the current European standard EN 71-9 (exclusively for basic colour shades, white and black)
- Low PAH, category 1 according to AfPS GS 2014:01
- RoHS compliant (2015/863/EU) // (2011/65/EU)
- Compliant with the current Toy Safety Directive
- Suitable for printing onto the non-food contact side of packaging
- Good mechanical and chemical resistance
- Excellent adhesion properties
- Machine speeds of up to 4,000 pieces/hour
- Very high opacity through special pigmentation
- High light fastness and weather resistance

### ■ Characteristics

- 1C/2C pad printing ink
- High opacity, high gloss and fast drying
- Can be used in screen printing also

### ■ Substrates

- ABS, acrylic glass, rigid PVC, pre-treated PE/PP, coated surfaces (wood), SAN, PA, PET, PC, PS, paper and carton

### ■ Product range

- 10 basic colour shades and transparent white
- Process colours for 4-colour set
- Highly opaque white and black
- Printing white and printing black
- Silver and gold



# The all-rounder for pad printing



# Rotary pad printing inks for bottle caps and syringes

## T120



### ■ Your benefits

- Free from phthalates, halogens and BPA as well as cyclohexanone, butyl glycolate, aromatic solvents, barium, fluorine and bromine
- Corresponds to common industrial standards and the
  - EuPIA Exclusion Policy
  - REACH regulation (SVHC)
  - Swiss Ordinance (SR 817.023.21)
  - Canadian Hazardous Products Act (R.S., c.H-3, s.1.)
  - GADSL list
- Compliant with the current European standard EN 71-3
- Compliant with the current European standard EN 71-9 (exclusively for basic colour shades, white and black)
- Low PAH, category 1 according to AfPS GS 2014:01
- RoHS compliant (2015/863/EU) // (2011/65/EU)
- Suitable for printing onto the non-food contact side of packaging
- Optimal rheology and viscosity for rotary pad printing
- Excellent adhesion properties
- Good mechanical and chemical resistance
- Excellent ink transfer
- Short drying time, speedy subsequent finishing processes and very good bulk material resistance
- High light fastness and weather resistance

### ■ Characteristics

- 1C/2C pad printing ink
- High opacity, high gloss and fast drying
- Can be used in screen printing also

### ■ Substrates

- Pre-treated PE and PP, PET

### ■ Product range

- 9 basic colour shades and transparent white
- Process colours for 4-colour set
- Highly opaque white and black
- Silver and gold



## T35



### ■ Your benefits

- Free from phthalates, halogens and BPA as well as cyclohexanone, butyl glycolate, aromatic solvents, barium, fluorine and bromine
- Compliant with the current Toy Safety Directive
- Corresponds to common industrial standards and the
  - EuPIA Exclusion Policy
  - REACH regulation (SVHC)
  - Swiss Ordinance (SR 817.023.21)
  - Canadian Hazardous Products Act (R.S., c.H-3, s.1.)
  - GADSL list
- Compliant with the current European standard EN 71-3
- Compliant with the current European standard EN 71-9 (exclusively for basic colour shades, white and black)
- RoHS compliant (2015/863/EU) // (2011/65/EU)
- Suitable for printing onto the non-food contact side of packaging
- Environmentally friendly in production and processing
- Good mechanical and chemical resistance
- Machine speeds of up to 4,000 pieces/hour when using fast dryers
- High light fastness and weather resistance

### ■ Characteristics

- 1C pad printing ink
- Elastic, glossy ink film, physically drying

### ■ Substrates

- ABS, SAN, acrylic glass and PS

### ■ Product range

- 9 basic colour shades and transparent white
- Process colours for 4-colour set
- Highly opaque white and black
- Silver, gold, copper and other metal-effect inks



# Pad printing inks for electronic/household appliances



## T01

### ■ Your benefits

- Free from phthalates and cyclohexanone as well as butyl glycolate, aromatic solvents, fluorine and bromine
- Corresponds to common industrial standards and the
  - EuPIA Exclusion Policy
  - REACH regulation (SVHC)
  - Swiss Ordinance (SR 817.023.21)
  - Canadian Hazardous Products Act (R.S., c.H-3, s.1.)
  - GADSL list
- Compliant with the current European standard EN 71-3 (exclusively for basic colour shades, white and black)
- RoHS compliant (2015/863/EU) // (2011/65/EU)
- Excellent adhesion properties during processing
- Good mechanical and chemical resistance
- High light fastness and weather resistance

### ■ Characteristics

- 2C pad printing ink
- Flexible, high opacity and high gloss ink film

### ■ Substrates

- Rigid PVC, lacquered surfaces, metal, thermosets, PA, PC, PU, acrylic glass, pre-treated PE/PP and glass

### ■ Product range

- 9 basic colour shades and transparent white
- Highly opaque white
- Gold and silver



## T28



### ■ Your benefits

- Free from phthalates and cyclohexanone as well as aromatic solvents, barium, fluorine and bromine
- Corresponds to common industrial standards and the
  - EuPIA Exclusion Policy
  - REACH regulation (SVHC)
  - GADSL list
- Compliant with the current European standard EN 71-3 (exclusively for basic colour shades, white and black)
- RoHS compliant (2015/863/EU) // (2011/65/EU)
- Pad printing ink for printing and coating
- Drying of ink film at room temperature or heat-forced oven drying for 20 minutes at 80°C
- Excellent adhesion immediately after heat-drying
- Very good resistance against chemicals (alkalines, solvents) water and abrasion
- High dishwasher resistance (500 / 2,000 cycles minimum in household / industrial dishwasher)
- Heavy-metal-free formulations (according to the current European standard EN 71-3)
- Ice water and frost resistance down to -20°C
- High light fastness and weather resistance

### ■ Characteristics

- 2C pad printing ink
- Highly opaque, glossy and physically drying
- Can be used in screen printing also

### ■ Substrates

- Glass, Ceramics und metal

### ■ Product range

- 11 basic colour shades and transparent white
- Process colours for 4-colour set
- Highly opaque white and black



# Pad printing inks for untreated polypropylene

## T25



### ■ Your benefits

- Free from phthalates, BPA, fluorine and bromine
- Corresponds to common industrial standards and the
  - EuPIA Exclusion Policy
  - REACH regulation (SVHC)
  - GADSL list
- RoHS compliant (2015/863/EU) // (2011/65/EU)
- Excellent adhesion properties
- Good mechanical and chemical resistance
- High light fastness and weather resistance

### ■ Characteristics

- 1C pad printing ink
- Elastic, glossy ink film, physically drying

### ■ Substrates

- Un-treated polypropylene

### ■ Product range

- 11 basic colour shades and transparent white
- Process colours for 4-colour set
- Highly opaque white, black, yellow and red
- Silver



# Pad printing inks for the automotive sector

## T38



### Your benefits

- Free from phthalates, BPA, fluorine and bromine
- Corresponds to common industrial standards and the
  - EuPIA Exclusion Policy
  - REACH regulation (SVHC)
  - GADSL list (automotive sector)
- RoHS compliant (2015/863/EU) // (2011/65/EU)
- Meets the highest standards with regard to chemical and mechanical resistance
- Comparatively long pot life of approx. 12 hours
- Cross-linking completed after 36 hours maximum
- High light fastness and weather resistance

### Characteristics

- 2C pad printing ink
- Elastic and glossy ink film
- Can be used in screen printing also

### Substrates

- ABS, Rigid PVC, lacquered surfaces, metal, PA, PC, pre-treated PE/PP and polyester

### Product range

- 11 basic colour shades and transparent white
- Process colours for 4-colour set
- Highly opaque white and black
- Overprinting varnish and process paste



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