

Pad printing inks



1857
166 YEARS
2023

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, gold, copper and other metal-effect inks



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, gold, copper and other metal-effect inks



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, metal, aluminum and lacquered/chromed surfaces

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



DCP 9434

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



RUCOINX Printing Inks, A. M. Ramp & Co. GmbH

Lorsbacher Straße 28 • 65817 Eppstein/Ts.

Phone: +49 61 98 30 40 • Fax: +49 61 98 3 22 88

info.de@inx europe.com • www.ruco-inks.com • www.inxeurope.com