



TECHNICAL CONTROL



# Digital Inkjet Printing

**Solutions**

**Precision in, Performance out**

High filtration · Good stability · Avoid nozzle clogging

# Advantages of TC Products



High filtration  
Good wetting property  
Avoid nozzle clogging



Good stability



Improve color fastness of inkjet inks  
Good adhesion



Excellent flexibility and flex resistance



Excellent sag resistance



Good compatibility with waterborne system

# Waterborne Polyurethane

Product Code	Ionicity	Solid Content (%)	Viscosity 25°C (mPa.s)	Average Particle Size (nm)	pH	Application & Features
PU 1803	Anionic	35±1	<500	70	7-9	DTG, DTF application. Soft, good flexibility, excellent wet and dry fastness
PU 1810	Anionic	35±1	<200	45	7-9	Formulation of inkjet printing inks for coated paper, PET film. High hardness
PU 1861	Anionic	35±1	<200	55	7-9	Formulation of inkjet printing inks for coated paper, PET film. High hardness
PU 1822	Nonionic	30±1	<200	58	7-8	Formulation of inkjet printing inks for coated paper, PET film. High hardness, good compatibility with water-based acrylic emulsions
PU 1823	Nonionic	30±1	<200	49	7-8	Formulation of inkjet printing inks for coated paper, PET film. High hardness, good compatibility with water-based acrylic emulsions
PU 1826	Cationic	30±1	<200	56	6-7	Application on coated paper. Good compatibility with cationic dyes, excellent wet and dry fastness

# Water-based Crosslinker

Product Code	Ingredient	Active Content (%)	Solvent	Solvent Content (%)	Viscosity 25°C(mPa.s)	NCO Content (%)
● Carbolinker D30	Carbodiimide	30	Water	70	≤100	\
● Carbolinker D40	Carbodiimide	40	Water	60	50-300	\
Isolink FF	Blocked Isocyanate	40	Water	60	300-500	* 4.5±0.2
Isolink PCI	Blocked Isocyanate	40	DPM/Water	5/55	300-600	* 4.5±0.2

● Bluesign® certified product



\* Calculation based on theoretical data

# Application



Direct-to-Garment (DTG)



Direct-to-Film (DTF)



Digital Film Printing



Digital Paper Printing



Indoor & Outdoor Advertising