

Textiles – Textile printing

siegling belting





Is precision a must?

Then Siegling Transilon printing blankets are an art form!

Siegling Transilon printing blankets have been developed in close co-operation with OEMs and users and comply with the high demands on economical operation and precision in flat-bed and rotary printing.

Siegling Transilon requires no maintenance, is easy to track and has long service lives. With practical fitting tools and reliable splicing methods, printing blankets can be made endlessly quickly and easily.

Take a close look at the print!

Design

Print 6488-2.65E



Top face: Urethane matt

Tension member: 2 ply Polyester fabric with thermoplastic middle layer

Under side: urethane impregnated

Printvac 6496-2.65E



Top face: Urethane matt

Tension member: 2 ply Polyester fabric with thermoplastic middle layer

Under side: thin urethane coating

Print 6552-2.15AE



Top face: Urethane matt

Tension member: 2 ply Polyester fabric with aramide middle layer

Under side: urethane impregnated

Applications

- Rotary printing
- Flat-bed printing with clamp propulsion system (e.g. Buser)
- Coupon and sample printing
- Short flat-bed printers with max. 50 m belt length

- Flat-bed printing with suction box propulsion system (Zimmer FA, FBU, FBO, FM II)

- For rapid flat-bed printing
- For rotary printing with more than 18 printing stations

Technical Data		Print 6488-2.65E	Print 6552-2.15AE
		Printvac 6496-2.65E	
Total thickness	[mm]	2.65	2.15
Pitch line	[mm]	1.2 ± 0.05	0.7 ± 0.05
Weight	[kg/m ²]	3.0	2.4
Shore hardness of top face	[Shore A]	92	92
Effective pull at 1% elongation (k _{1%} relaxed)	[N/mm width]	15	100
Elongation at break	[%]	18	3.5
Maximum effective pull	[N/mm]	250	650
Max. operational temperature in textile printing	[°C]	70	70
Elongation at fitting (recommended/max.)	[%]	0.3/0.8	0.1/0.3
Max. width	[mm]	4500	4400

Chemically resistant to Ethyl acetate, butyl acetate, white spirit, benzol, althanol.
Brief contact with acetone, MEK, toluol and similar ketones possible.

siegling transilon

conveyor and processing belts

Your advantages

High level of repeat accuracy

- Minimal manufacturing tolerances regarding belt thickness and pitch line
- Therefore even feed

Accurate printing at high speeds (Print 6552-2.15AE)

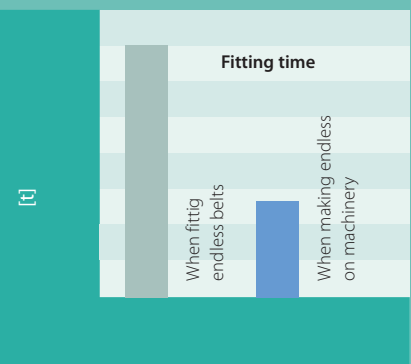
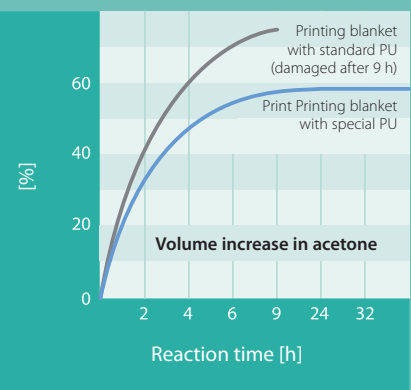
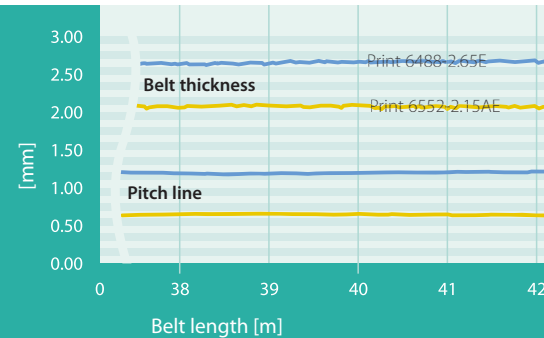
- Highly modular aramide tension member and lightweight belt
- Means quicker feed and fast printing is possible even in long flat-bed printers
- High repeat accuracy even in rotary printers with more than 18 printing stations

High level of resistance to solvents

- The specially developed polyurethane surface permits the use of all widely available cleaning agents
- Brief contact with acetone and similar ketones possible

Minimum downtimes

- Simple and easy welding of belt ends on the machine
- Very short lead time
- Extremely durable and so reliable splicing method
- Minor belt damage easily repaired
- No sealing of the belt edges after trimming required, due to specially-treated aramide fabric (Print 6552-2.15AE)



More information about Forbo Siegling products for the textile industry can be found in the following brochures:

No. Title

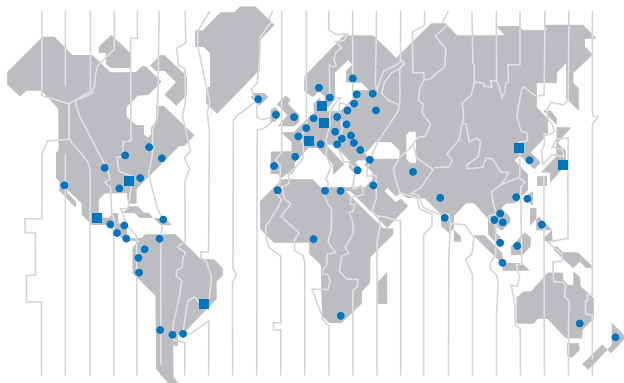
- 224 Siegling Transilon Product range
- 295 Nonwoven and clothing industry
- 296 High-efficiency flat belts and conveyor belts for the manufacturing of yarn
- 317 Transilon Technical Information 1 – Storage · Finishing · Fitting
- 318 Transilon Technical Information 2 – Special Features and Properties

Photos:
Huangsi Textile Machinery Co. Ltd.
Jilong Textile Printing Co. Ltd.
J. Zimmer Maschinenbau GmbH

Siegling – total belting solutions

Committed staff, quality-orientated organisation and production processes ensure the constantly high standards of our products and services. The Forbo Siegling Quality Management System is certified in accordance with DIN EN ISO 9001:2000.

In addition to product quality, environmental protection is an important corporate goal. Early on we also introduced an environmental management system, certified in accordance with ISO 14001.



Forbo Siegling Service – anytime, anywhere

In the company group, Forbo Siegling employs more than 1900 people worldwide. Our production facilities are located in eight countries; you can find companies and agencies with stock and workshops in more than 50 countries. Forbo Siegling service centres provide qualified assistance at more than 300 locations throughout the world.