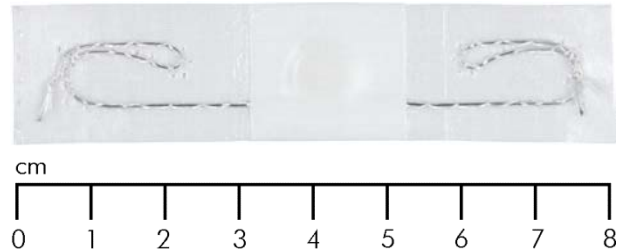


textag[®]

Textile Distribution and Identification Systems

A woven RFID transponder for the textile and laundry industry suitable for attaching to a wide range of products, including uniforms and linen floor mats. Designed to withstand the harsh environment of the commercial cleaning cycles textag is used around the world. textag improves efficiency at all stages of the laundry or garment handling process, from sorting of items through to managing the issuing of laundry with vending style dispensing cabinets which are ideal for work wear management.



Textile softtag

The UST 2080 is a textile softtag. The transponder chip used conforms to the international ISO 18000-6 C standard, ensuring the UST 2080 can be used worldwide. The UHF frequency band and the transponder bulk reading capability allow long reading distances as well as fast detection of a large number of softtags in the reading field. It is possible to attach the UST 2080 using a conventional heat-sealing machine.

The UST 2080 softtag has been developed especially for the folded linen and work garment markets. It is used everywhere where previously hard tags led to textiles being damaged or in laundry items to be rotary ironed where hard tags were totally unsuitable. With the exception of the tiny chip, softtags are made completely of textiles and very flexible materials; as a result, they are able to withstand the high temperatures in the tunnel finisher, various harsh cleaning methods used in dry-cleaning as well as the extreme stresses and strains to which they are exposed when laundry is pressed and rotary ironed. Thanks to its small size the UST 2080 makes it possible to sew a transponder into the seams of textiles when they are being manufactured: "source tagging".

Your benefits at a glance:

- **Resistant to cleaning processes used for folded and work garments**
- **Unvarying reading distance for reliable identification**
- **Bulk reading**
- **Suitable for dry-cleaning**
- **In-seam option**
- **Single piece detection: deister smartframe**
- **Stackable, without impairing identification performance**

Technical data

Dimensions W x H x D:	80 x 20 x 1.6 mm
Material:	65% polyester, 35% cotton, hot glue
Operating temperature:	-20...+70°C
Processing temperature:	12-15 sec. at 205°C using a conventional heat-sealing machine
Washing cycles:	up to 250, DIN ISO 15797
Dewatering press:	up to 56 bar pressure
Rotary ironing:	up to 5 bar at 180°C
Tunnel finisher	up to 10 min. at 180°C
Frequency:	865 - 950 MHz
Transponder:	ISO 18000-6 C EPC Class 1 Gen 2
Memory capacity:	128 Bit EPC memory as unique ID
Reading distance dry:	Up to 3 m
Reading distance wet:	Up to 50 cm
Patents:	U.S. 7,808,384B2 and more
Single piece detection:	deister smartframe
Stack distance:	At least 1 cm