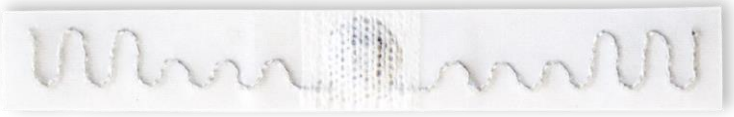
UHF LAUNDRYCHIP™ 40I

The best reading performance ever in a very small LaundryChip™!

FT40I-ST / FT40I-PA / FT40I-POUCH



Product info

- Small dimensions
- Maximum flexibility
- Best reading performance: ultra-high-density bulk reading.
- Stronger than ever: tested in real-world laundries and guaranteed for 200 washing cycles with water extractors up to 60 bar.
- **Patented double loop antenna** to guarantee outstanding electrical performance in an incredibly small size.
- ISO I8000-6C compliant
- Certifications: **MR conditional and Oeko-Tex® certified**.
- Available in 3 versions: source tagging (sewn), patchable (heat-sealable) and in pouch. Further option: laser markable with the EPC code.

Product Description

With excellent bulk-reading performance and the highest level of thermal and mechanical resistance, this new UHF generation transponder, thanks to its smallest size ever, can now be inserted into the narrow hems of tiny flat linen items as well as into the finest garments (making it widely suitable for private wear). The extraordinary no-wear feeling and unnoticeable look greatly improves the comfort of wearing a transponder.







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UHF LAUNDRYCHIP™ 40I

FT40I-ST / FT40I-PA / FT40I-POUCH

Technical data	40I Source Tagging / in Pouch FT401-ST / FT40I-Pouch	40I Patchable FT40I-PA
		
Tag Dimensions (L x W x H)	70 x I0 x I.3 mm	70 x 15 x I.3 mm
Tag Weight (approx.)	0.30 g	0.40 g
Tag Material	50/50 polycotton	
Tag Warranty	First of 200 wash cycles or 100 autoclave cycles or 3 years from ship date	
Tag Memory	96 bits EPC	
Data retention	min 50 years	
Read Distance	Up to 6 meters (up to 19 feets)	
Operating Power	Passive, operates through antenna's RF field	
Operating Frequency	865 - 928 MHz	
Typical washing cycle	Washing: +90°C (I94°F), I5 minutes Drying: +I80°C (356°F), 3 minutes Ironer: +200°C (392°F), I2 seconds Water Extractor: 60 bar, 80 seconds	
Autoclave	Air removal: +I00°C (+2I2°F), 5 minutes, 0.I bar Sterilizing: +I34°C (+273°F), I0 minutes, 3.25 bar Drying: +45°C (+II3°F), I5 minutes, 0.2 bar	
Patching instructions	+204°C (399°F), 12 seconds, 0.5 kg/cm2	
Storage Temperature	-40°C to +85°C (-40°F to +185°F) in a dry environment protected from sunlight	
Chemical Resistance	All Chemicals common to the washing process	
Compliance	ISO/IEC 18000-6C EPC Class 1 Gen 2	
Certifications	OEKO-TEX® Standard 100 product class II, MR Conditional (I.5T - 3T)	

Each transponder produced by Datamars is encoded with a unique 96 bits EPC following GS1 standards. The transponder code cannot be altered nor re-programmed. For customers willing to encode their own EPC, Datamars provides custom coding services or a re-programmable transponder version named FT401 UL.

Standard Tag Pouch



Material: I00% polyester
Dimensions: 22 x 80 mm; Weight: 0.45g
Up to 4 colors embroidery
Custom sizes available (minimum order quantities apply for customization)

textileID™ DATAMARS

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