

## Nebula LA711-P

70 x 22 mm U9xe

RICHRFID Printable RFID Laundry Tags in Roll are high-performance, industrial-grade RFID tags designed for efficient textile tracking and management in commercial laundries, hospitality, healthcare, and uniform services. Supplied in a continuous roll format, so compatible with automated label applicators and printers, they combine RFID functionality with visual identification (text, barcodes, QR codes) in a format optimized for high-volume, automated labeling workflows.

Containing a firm antenna and rugged packaged microchip that stores a unique and unalterable TID and programmable EPC, they enable flexible, automated, contactless, high-efficiency scanning via RFID readers for fast inventory, sorting, loss prevention, and lifespan tracking — without needing line-of-sight like barcodes.

Designed to withstand repeated washing, drying, ironing, and chemical exposure, ensuring reliable identification throughout the garment's lifecycle, they empower textile providers and user with greater flexibility, faster deployment, and lower total cost of ownership, while maintaining full traceability and operational efficiency. The printable roll format ensures that laundries can achieve high-volume labeling with minimal waste and maximum convenience.



### Applications

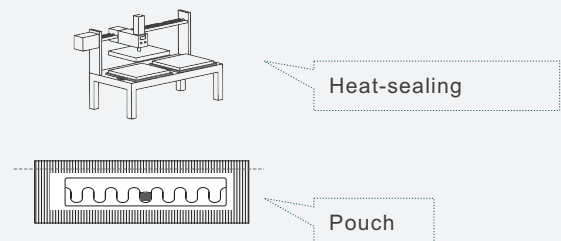
- ✓ Hospitality: Hotel linens, towels, robes, uniforms. Prevents loss, optimizes inventory, automates sorting.
- ✓ Healthcare: Hospital linen, patient gowns, surgical textiles. Tracks sterilization cycles, ensures compliance.
- ✓ Industrial / Corporate: Workwear, rental uniforms, cleanroom garments. Manages stock, usage cycles, and maintenance.
- ✓ Sports / Leisure Clubs: Towel rental, locker management.
- ✓ Laundry Service Providers: Automated sorting, billing, loss prevention.



### Highlight & Benefits

- Long, efficient and reliable bulk reading for fast inventory and sorting.
- Withstands industrial washing, drying, and ironing processes.
- High resistance to water, detergents, chemicals, pressure, etc.
- Flexible attachment options.
- Customization-design, printing, encoding available.
- Compatibility with MRI & needle detector.
- In roll type, printable and programmable via RFID printer and tagging by applicator.

### Installation



## Technical Features

Model	Nebula LA711-P
<b>RFID Features</b>	
Air Interface Protocol	EPC Class 1 Gen 2, ISO / IEC 18000-63 Type C
Frequency	860-960 MHz
Chip Type	NXP Ucode 9xe
Memory	User - N/A; EPC - 128 bits; TID - 96 bits
Data Storage	> 20 years
Re-write	100,000 times
Read Range (2W ERP)	FCC: > 7.5 m (24.6 ft) ETSI: > 6.0 m (19.7 ft)
<b>Physical Features</b>	
Dimension	70 x 22 mm (2.70 x 0.87 in)
Thickness	1.00 mm (0.04 in) on chip location only, Rest of tag is 0.65mm (0.03 in)
Weight	0.80 g
Material	Polyester
Installation	Heat-seal the tag onto the textile at 210°C and 0.6-0.8 MPa for 20 seconds or pouch
<b>Durability Features</b>	
Lifespan	200 washing cycles or 3 years, whichever comes first
Washing Method	Laundry, Dry cleaning
Water Extraction Pressure	60 bars
Chemical Resistance	Detergent, Softener, Bleach (Oxygen / Chlorine), Alkali
Washing Temperature	90°C (194°F) / 15 minutes
Pre-drying in Tumble	180°C (356°F) / 30 minutes
Ironing Temperature	185°C (365°F) / 10 seconds
Sterilization Temperature	135°C (275°F) / 20 minutes
<b>Other Features</b>	
Humidity / Temperature-Operating	-20~+85°C (-4~+185°F) / 8~95%RH
Customization	Printing, Encoding, Design, etc.
Package	500 pcs / roll, 8 roll / box

**RICHRFID**

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All specifications are indicative and results may vary. Each user bears full responsibility for making its own determination as to the suitability of RICHRFID products, materials, services, recommendations, or advice for its own particular use.

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