

# AD LoG PFL

## Product characteristics

### Level of Integration

Fully

### Process of Integration

Sew-in

### Inventory Management

Fully

### Self Check-Out Functionality

Fully

### Support Use-Cases beyond POS

Partly via QR link

### Printing

Thermal

### Encoding

Standard

### Washable / Durable

Yes- Intended for 50 Home Wash / Dry Cycles

### Softness / touch & feel

Medium

### Segments

General Retail  
Apparel

### Frequency Band

UHF 860 - 960 MHz

### International Standards

ISO/IEC 18000-63 Type C

### RoHS

EU Directive 2011/65/EC and  
Directive (EU) 2015/863

### REACH

Regulation (EC) No. 1907/2006



## Embedded RFID solution: highly durable and wash-proof for general retail fabric products and garments

AD LoG PFL\* is a durable sew-in RFID solution for printed fabric labels that is designed for inlay performance to endure through the dry cleaning cycle and up to 50 home wash cycles while remaining soft to the touch.

The discreet sewn-in solution prevents tampering to ensure RFID labels remain part of the garment and enables retailers to optimize inventory management:

- Supply chain & omnichannel visibility
- Inventory accuracy
- Loss prevention
- Self checkout
- Easy and quick return handling (no re-tagging)
- Traceability & Circularity - Data carrier suitable for Digital Product Passport (DPP) - enabling Sustainability and Circularity i.e. waste reduction, sorting for recycling and reselling, repair and fix, rental.\*\*

AD LoG PFL is currently available with the AD Miniweb M730 UHF inlay.

Avery Dennison inlays and tags are compliant with ISO 9001:2015 Quality Management and ISO 14001:2015 Environmental Management, which ensure a reliable and state-of-the-art product compliant with the needs of brand manufacturers and retailers.

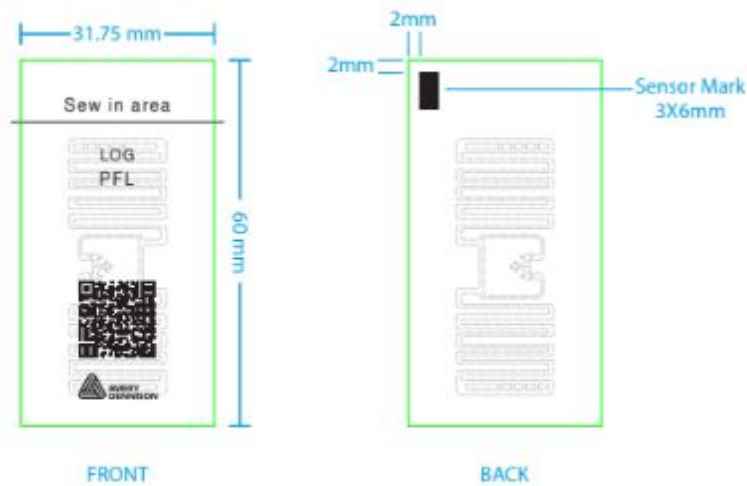
\*Includes technology patented in the US and/or other countries

\*\*for products going through up to 50 home wash/dry cycles

\*\*\*Product available to Direct Business only

\*\*\*\*We define durable as RF performance passing the defined wash cycles

Printed Care Label:



Available RFID inlays

Available Inlays	Frequency	IC	Antenna Size	AD LoG PFL* size
AD Miniweb M7	UHF	Impinj M730	42 x 16 mm / 1.65 x 0.63 in	60 x 31.75 mm / 2.36 x 1.25 in

\*Product can be qualified on more inlays

50 Home wash/dry cycles tested with the washer & dryer settings below

Washer Settings		Dryer Settings	
Machine	Durawash Roaches	Exhaust Temp.	52C / 126F
Detergent	150 gr of common washing powder containing a brightening agent and an oxygen-based bleaching agent	Dry Cleaning Settings	
Ballast	Polyester Makeweights complies with EN ISO 6330:2000/Amd. 1:2008	1 Hour Washing	30C / 86F
Ballast Qty	1 Kg	Solvent	Perchloroethylene
Wash Temp.	40C / 104F		
Note	1 minute by Durawash = 1 home cycle		

Wash results

1x Dry cleaning	100% PASS
50 x Home wash cycle (40°)	100% PASS

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Contact information  
rfid.averydennison.com/contact  
+1-678-617-2359

Connect with us on:



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**Warranty:** Please refer to Avery Dennison standard terms and conditions: [rfid.averydennison.com/termsandconditions](https://www.averydennison.com/termsandconditions)  
**Care and handling:** RFID inlays are sensitive to ESD. Observe standard industry practices relating to electronics / RFID to keep environmental impact and static charge to a minimum.  
**Applications:** This product should be tested by the customer / user thoroughly under end use conditions to ensure the product meets the particular requirements. Avery Dennison does not represent that this product is fit for any particular purpose or use. Avery Dennison reserves the right to modify, change, supplement or discontinue product offerings at any time without notice. The information contained herein is believed to be reliable but Avery Dennison makes no representation concerning the accuracy or correctness of the data.