

AD Durable 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 10 - 12 Home Wash / Dry Cycles

Softness / touch & feel

Low

Segments

General Retail
Apparel

Frequency Band

UHF 860 - 960 MHz

International Standards

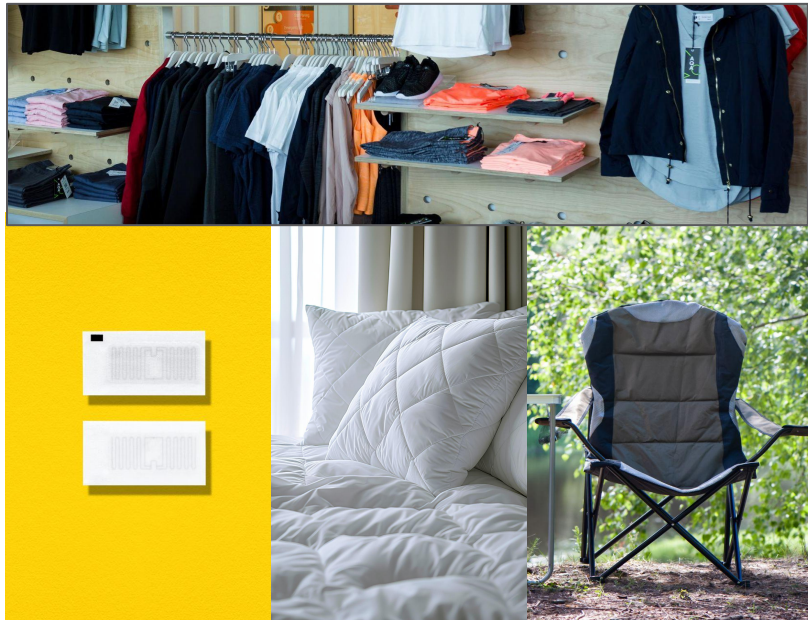
ISO/IEC 18000-63 Type C

RoHS

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

REACH

Regulation (EC) No. 1907/2006



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

AD Durable PFL* is a durable sew-in RFID solution for printed fabric labels that is designed for inlay performance to endure through 10-12 of post-POS (point of sale) home wash and dry cycles. Applicable for apparel and general retail products such as mattress pads, outdoor equipment and furniture covers.

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.**

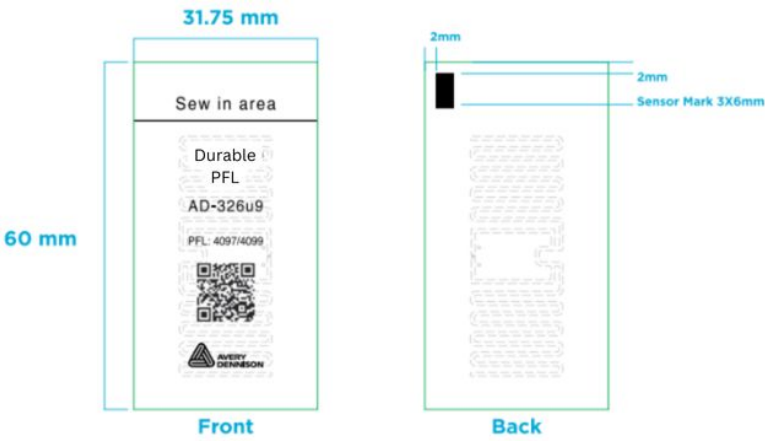
AD Durable PFL is currently available with AD-326 U9 inlay.

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 10-12 home wash/dry cycles

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



Available RFID inlays

Available Inlays	Frequency	IC	Antenna Size	AD Durable PFL* size
AD-326 U9	UHF	NXP UCODE 9	41 x 16 mm / 1.61 x 0.63 in	60 x 31.75 mm / 2.36 x 1.25 in

*Product can be qualified on more inlays

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

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

Dryer Settings	
Exhaust Temp.	52 C / 126F

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Contact information

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Connect with us on:



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Warranty: Please refer to Avery Dennison standard terms and conditions: rfid.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.