

Sustainable Apparel Tagging Solution

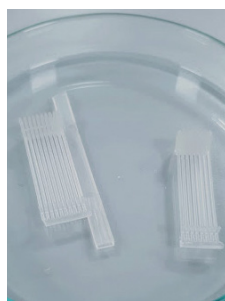
Avery Dennison Ecotach™ Biodegradable** (bio-PP) Fasteners meet the needs of environmentally conscious retailers, brand owners and consumers. Switching to our Biodegradable Ecotach Fasteners for tag/label attaching demonstrates brand innovation and environmental responsibility.

Lower Environmental Impact

The Ecotach™ bio-PP Fastener is a first of its kind innovation and will help reduce waste by reducing the amount of single use plastic that goes into the environment.



The new bio-PP Fastener is made out of a proprietary blend of polypropylene material specifically designed to biodegrade** in less than a year when it is on soil, without leaving behind any harmful substances. The technology used results in no microplastics so that when a fastener degrades** all that is left is carbon dioxide, water and microbes (biomass). Comparatively speaking, a regular polypropylene fastener would take anywhere from 20 -30 years to breakdown depending on environmental conditions.



0 Days



14 Days



28 Days

The images represent the results of the Biodegradability testing of our bio-PP fasteners and were performed by an independent testing agency per ASTM D2565 / ISO 4892-2 under accelerated aging conditions.



Industry Insights

Did you know each year, approximately 80 billion garments are manufactured and it's estimated that 90% of them have a single use plastic fastener, resulting in 72 billion plastic fasteners made every year for the garment industry—the equivalent of the same amount of plastic found in in 761,581,156 single-serve 0.5 liter PET water bottles.

Design Versatility

- Available in variety of lengths and in both Standard and Fine Fabric™ clip forms
- Available in natural ONLY
- Application is simple and quick with our Standard and Fine Fabric™ class of pneumatic or hand held tools

For more information on Avery Dennison's sustainability efforts visit sustainability.averydennison.com.

***These fasteners will degrade on soil when exposed to sunlight but will not degrade in a landfill*

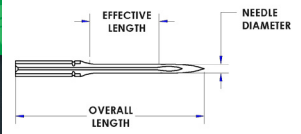
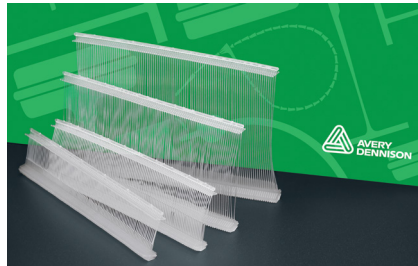
Avery Dennison® Ecotach™ Biodegradable** (bio-PP) Fasteners



Fastener
Solutions

Ecotach™ Biodegradable** (bio-PP) Fasteners										
Part #	Class	Overall Length	Filament Length	Paddle Length	Material	Color	Minimum Tensile Strength	Clip Qty	Inner Box Qty	Case Qty
16100-0	Fine Fabric T-end	0.35" (9mm)	0.25" (7mm)	Double t-end	BIO-PP	Natural	2.5 lbf (1.13kgf)	100	10,000	100,000
16101-0	Fine Fabric	0.75" (19mm)	0.50" (13mm)	.20" (5mm)	BIO-PP	Natural	2.5 lbf (1.13kgf)	100	10,000	100,000
17060-0	Fine Fabric	0.94" (23mm)	0.69" (17mm)	.20" (5mm)	BIO-PP	Natural	2.5 lbf (1.13kgf)	100	10,000	100,000
17061-0	Fine Fabric	1.25" (31mm)	1.00" (25mm)	.20" (5mm)	BIO-PP	Natural	2.5 lbf (1.13kgf)	100	10,000	100,000
17062-0	Fine Fabric	2.25" (56mm)	2.00" (50mm)	.20" (5mm)	BIO-PP	Natural	2.5 lbf (1.13kgf)	100	10,000	100,000
17063-0	Fine Fabric	3.00" (76mm)	2.75" (70mm)	.20" (5mm)	BIO-PP	Natural	2.5 lbf (1.13kgf)	100	10,000	100,000
17065-0	Standard	1.25" (32mm)	1.00" (25mm)	.20" (5mm)	BIO-PP	Natural	3.0 lbf (1.36kgf)	50	5,000	50,000
17066-0	Standard	1.82" (46mm)	1.57" (40mm)	.20" (5mm)	BIO-PP	Natural	3.0 lbf (1.36kgf)	50	5,000	50,000
17067-0	Standard	2.25" (57mm)	2.00" (50mm)	.20" (5mm)	BIO-PP	Natural	3.0 lbf (1.36kgf)	50	5,000	50,000
17068-0	Standard	2.82" (72mm)	2.57" (65mm)	.20" (5mm)	BIO-PP	Natural	3.0 lbf (1.36kgf)	50	5,000	50,000

Tools				
Part #	Class	Item Description	Actuation	Pkg Qty
10312-0	Fine Fabric	SW, Mark III FF Tool	Handheld	1
08946-1	Fine Fabric	SW, FF Scissor	Handheld	1
11501-0	Fine Fabric	SW, Mark V FF Tool	Handheld	1
SPU2M04	Fine Fabric	SW, IND. FF Short Modules	Pneumatic	1
SPU2M02	Fine Fabric	SW, IND. FF Long Modules	Pneumatic	1
10651-0	Standard	Mark III Pistol Tool	Handheld	1
08945-0	Standard	Mark II Scissor Grip Tool	Handheld	1
10636-0	Standard	Mark III Long Needle Pistol Tool	Handheld	1
16000-0	Standard	Soft Grip Standard Tool	Handheld	1
SPU1M01	Standard	Mark II Industrial - Long Needle	Pneumatic	1
SPU1M03	Standard	Mark II Industrial - Short Needle	Pneumatic	1



Needles									
Part #	Class	Item Description	Tool	Material	Overall Length	Effective Length	Outside Diameter	Shortest Effective Fastener	Pkg Qty
17069-0*	Fine Fabric	ECOTACH FF NEEDLE KIT*	Handheld	Plastic	1.00" (25.0mm)	0.23" (6mm)	0.051" (1.3mm)	0.23" (6mm)	4 / kit
08944-0	Fine Fabric	SW, FF PLAST BSE NDL KT	Handheld	Plastic	1.00" (25.0mm)	0.31" (8mm)	0.051" (1.3mm)	0.23" (6mm)	4 / kit
10695-0	Fine Fabric	SW, FF SAFTY SEAL NDL KT	Handheld	Plastic	1.00" (25.0mm)	0.31" (8mm)	0.051" (1.3mm)	0.23" (6mm)	10 / kit
10981-0	Fine Fabric	SW, FF SFTY SEAL NDL (BK)	Handheld	Plastic	1.00" (25.0mm)	0.31" (8mm)	0.051" (1.3mm)	0.23" (6mm)	100
10070-0	Fine Fabric	SW, FF Short A-STEEL NDL KT	Handheld	All Steel	1.10" (28.0mm)	0.35" (9mm)	0.055" (1.4mm)	0.23" (6mm)	4 / kit
11504-0	Fine Fabric	FF All Steel HD Needle	Handheld	All Steel	1.28" (32.5mm)	0.46" (11.84mm)	0.056" (1.4mm)	0.23" (6mm)	4 / kit
11503-0	Fine Fabric	SW, NDL, KT, FLONG PLASTIC	Handheld	Plastic	1.25" (31.8mm)	0.53" (13.5mm)	0.051" (1.3mm)	0.23" (6mm)	4 / kit
10679-0	Fine Fabric	Long Heavy Duty - All Steel	Pneumatic	All Steel	1.60" (41.0mm)	0.86" (22mm)	0.059" (1.5mm)	0.83" (21mm)	4 / kit
08941-0	Standard	Black Plastic Base	Handheld	Plastic	1.30" (33mm)	0.51" (13mm)	0.075" (1.9mm)	0.51" (13mm)	4 / kit
10683-0	Standard	Black Plastic Base - Safety Sealed	Handheld	Plastic	1.30" (33mm)	0.51" (13mm)	0.075" (1.9mm)	0.51" (13mm)	10 / kit
10980-0	Standard	Black Plastic Base - Safety Sealed	Handheld	Plastic	1.30" (33mm)	0.51" (13mm)	0.075" (1.9mm)	0.51" (13mm)	100
08913-0	Standard	Heavy Duty	Handheld	All Steel	1.40" (35mm)	0.51" (13mm)	0.090" (2.3mm)	0.51" (13mm)	4 / kit
10693-0	Standard	Heavy Duty Stainless Steel	Handheld	All Steel	1.40" (35mm)	0.51" (13mm)	0.090" (2.3mm)	0.51" (13mm)	4 / kit
10645-0	Standard	Heavy Duty Long	Handheld	All Steel	1.75" (44mm)	0.83" (21mm)	0.090" (2.3mm)	0.51" (13mm)	4 / kit

* Use this needle for best results when applying the 1/2" fastener.

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