

### Sustainable Apparel Tagging Solution

Our Ecotach Recycled (rPA) Fasteners meet the needs of environmentally conscious retailers, brand owners and consumers who want to reduce their environmental footprint. Switching to our Recycled (rPA) Fasteners for tag/label attaching demonstrates brand innovation and environmental responsibility.

### Lower Landfills

Ecotach Recycled (rPA) Fasteners are made of recycled polyamide (rPA). The environmental benefit created by using at least 70% “post consumer” waste from recycled carpet is substantial:

- Every master carton of fasteners eliminates 60 sq ft (5.5 sq meters) of carpet which is equivalent to half the sq ft of an average size bedroom in the US\*

*\*The average size of a bedroom in the US is 132sq ft in a home under 2500sq ft.*

### Industry Insights

Did you know that Americans discard about 1.5-2 Million tons of carpet each year (according to a case study on recycling post consumer carpet by Carnegie Mellon University)? Almost all of this carpet is hauled away and disposed of in landfills, at a cost of roughly \$100 million a year.

According to How Stuff Works, Nylon is the most common carpet fiber on the market today, accounting for almost 65% of U.S. carpet sales. It is a highly resilient material that contains valuable chemical compounds that can be recovered and reused. This is why it is important to recycle nylon carpet instead of throwing it in the landfill.

### Design Versatility

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



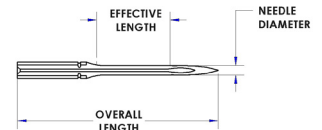
For more information on Avery Dennison's sustainability efforts visit [sustainability.averydennison.com](http://sustainability.averydennison.com).



MINIMUM 74% RECYCLED CONTENT  
POST-CONSUMER

Ecotach™ Recycled (rPA) Fasteners										
Part #	Class	Overall Length	Filament Length	Paddle Length	Material	Color/PMS	Minimum Tensile Strength	Clip Qty	Inner Box Qty	Case Qty
17050-0	Fine Fabric	.73" (19mm)	0.50" (13mm)	.20" (5mm)	rPA	Light Gray 431C	2.5lbf (1.13kgf)	100	10,000	100,000
17051-0	Fine Fabric	.73" (19mm)	0.50" (13mm)	.20" (5mm)	rPA	Dk Gray 432C	2.5lbf (1.13kgf)	100	10,000	100,000
17160-0	Fine Fabric	.73" (19mm)	0.50" (13mm)	.20" (5mm)	rPA	Black	2.5lbf (1.13kgf)	100	10,000	100,000
17054-0	Fine Fabric	1.23" (31mm)	1.0" (25mm)	.20" (5mm)	rPA	Light Gray 431C	2.5lbf (1.13kgf)	100	10,000	100,000
17055-0	Fine Fabric	1.23" (31mm)	1.0" (25mm)	.20" (5mm)	rPA	Dk Gray 432C	2.5lbf (1.13kgf)	100	10,000	100,000
17056-0	Fine Fabric	1.61" (41mm)	1.38" (35mm)	.20" (5mm)	rPA	Light Gray 431C	2.5lbf (1.13kgf)	100	10,000	100,000
17057-0	Fine Fabric	1.61" (41mm)	1.38" (35mm)	.20" (5mm)	rPA	Dk Gray 432C	2.5lbf (1.13kgf)	100	10,000	100,000
17058-0	Fine Fabric	2.00" (51mm)	1.77" (45mm)	.20" (5mm)	rPA	Light Gray 431C	2.5lbf (1.13kgf)	100	10,000	100,000
17059-0	Fine Fabric	2.00" (51mm)	1.77" (45mm)	.20" (5mm)	rPA	Dk Gray 432C	2.5lbf (1.13kgf)	100	10,000	100,000
17052-0	Fine Fabric	2.23" (56mm)	2.00" (50mm)	.20" (5mm)	rPA	Light Gray 431C	2.5lbf (1.13kgf)	100	10,000	100,000
17053-0	Fine Fabric	2.23" (56mm)	2.00" (50mm)	.20" (5mm)	rPA	Dk Gray 432C	2.5lbf (1.13kgf)	100	10,000	100,000
17045-0	Standard	1.25" (31mm)	1.0" (25mm)	.20" (5mm)	rPA	Dk Gray 432C	5.0lbf (2.26kgf)	50	5,000	50,000
17046-0	Standard	2.25" (56mm)	2.0" (50mm)	.20" (5mm)	rPA	Dk Gray 432C	5.0lbf (2.26kgf)	50	5,000	50,000

Tools				
Part #	Class	Item Description	Actuation	Pkg Qty
10312-0	Fine Fabric	Mark III Fine Fabric Tool	Handheld	1
08946-1	Fine Fabric	Scissor Tool	Handheld	1
11501-0	Fine Fabric	Mark V Fine Fabric Tool	Handheld	1
SPU2M04	Fine Fabric	Short Module	Pneumatic	1
SPU2M02	Fine Fabric	Long Module	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	Handheld	1
16000-0	Standard	Soft Grip Standard Tool	Handheld	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	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,FFLONG 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	Handheld	Plastic	1.30" (33mm)	0.51" (13mm)	0.075" (1.9mm)	0.51" (13mm)	10 / kit
10980-0	Standard	Black Plastic Base - Safety	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)	.090" (2.3mm)	0.51" (13mm)	4 / kit
10645-0	Standard	Heavy Duty Long	Handheld	All Steel	1.75" (44mm)	0.83" (21mm)	.090" (2.3mm)	0.75" (19mm)	4 / kit

\* Use this needle for best results when applying the fastener with a filament length of 0.5" (12.7mm)

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