

# RESISTAT® fiber collection



**RESISTAT® conductive nylon fibers** are used in applications that require a balance of chemical resistance and physical performance as well as superior static dissipation properties. Each filament has electrically conductive carbon suffused into the surface. The filaments have a round cross-section with a coating thickness of approximately one micron. The fiber color is black. Typical applications include: carpeting, ESD garments, and industrial fabrics and brushes.

Product	F902 R022	F902 J022	F902 F044	F902 X055	F902 R080	F902 A013
Construction	Filament	Filament	Filament	Filament	Filament	Filament
Nylon Type	6	6.6	6	6.6	6.6	6.6
Filament Count	1	1	1	1	1	1
Denier	22	22	44	55	84	130
D'tex	24	24	49	61	93	144
Tenacity, g/denier	5	5.5	4	5	5	5
Elong @ Break, %	41	41	55	30	40	34
Yield, yds/lb	202,931	202,931	101,465	81,172	53,149	34,342
Yield, m/kg	408,702	408,702	204,351	163,481	107,041	69,165
Melting Point	220°C	254°C	220°C	254°C	254°C	254°C
Resistivity, Ohms/cm	4 x 10 <sup>5</sup>	2.1 x 10 <sup>5</sup>	1.5 x 10 <sup>5</sup>	1 x 10 <sup>5</sup>	5 x 10 <sup>4</sup>	3 x 10 <sup>4</sup>
Package	Pineapple	Pineapple	Pineapple	Pineapple	Pineapple	Pineapple
Avg Pkg Wt, lbs (kgs)	2.3 lbs (1.04 kgs)	2 lbs (0.91 kgs)	2.2 lbs (1 kgs)	2 lbs (0.91 kgs)	2.4 lbs (1.1 kgs)	2.4 lbs (1.1 kgs)
Pkg / case	17 tubes	20 tubes	17 tubes	17 tubes	16 tubes	16 tubes

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