

**RESISTAT® F9322, MERGE A073**, is composed of a 22 denier nylon 6 monofilament, which has electrically conductive carbon suffused into the surface, combined with two ends of 70/36 polyester yarn. The components have been twisted together and heat-set. The conductive filament has a round cross section with a coating thickness of approximately one micron. The yarn color is grey.

Physical Properties	Typical Values	Average Value	Test Method
Denier	175	175 Denier	ASTM 1907
D'tex	195	195 D'tex	---
Filaments	73	73	ASTM 2256
Tenacity	3.5	3.5 grams/denier	ASTM 2256
Elongation at Break, %	45	45 %	---
Product Yield, approx.	25,511 yards/pound	51,428 meters/kilogram	---

Electrical Properties	Typical Values	Average Value	Test Method
Resistivity	4	4 x 10 <sup>5</sup> ohms/centimeter	---

Chemical Properties	
Mineral Acids, Cold	Good Resistance
Mineral Acids, Hot	Poor Resistance
Concentrated Mineral Acids	Poor Resistance
Alkalis	Good Resistance
Solvents	Good Resistance (except phenolic)
Formic Acid	Dissolves
Water/Hydrolysis	Good Resistance
Melting Point	220° C

Package	
Package Type	Pineapple with transfer tail
Tube	Cardboard: 9 inch long, 2¼ inch OD
Package Weight	3 pounds (Average)
Packing	64 tubes per case (Average)

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