

RESISTAT® F902, MERGE R022 series, is a 22-denier nylon 6 monofilament which has electrically conductive carbon suffused into the surface. This product has been formulated for improved surface properties and a lower coefficient of friction. The filament has a round cross section with a coating thickness of approximately one micron. The yarn color is black.

Physical Properties	Typical Values	Average Value	Test Method
Denier	19 - 23	22 Denier	ASTM 1907
D'tex	23 - 25	24 D'tex	---
Tenacity	3.4 - 6	5 grams/denier	ASTM 2256
Elongation at Break	19 - 69%	41 %	---
Product Yield, approx.	202,931 yards/pound	408,702 meters/kilogram	---

Electrical Properties	Typical Values	Average Value	Test Method
Resistivity	4	4×10^5 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, 2 inch OD
Package Weight	2.3 pounds (Average)
Packing	17 tubes per case (Average)

Phone: 1 (803) 754-7011

Fax: 1 (803) 754-7991

www.shakespeare-pf.com

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