RESISTAT® fiber collection™

SHAKESPEARE
Solutions are in the Science

RESISTAT® F902, MERGE R080 series, is a 80-denier nylon 6,6 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 1 micron. The yarn color is black.

Physical Properties	Typical Values	Average Value	Test Method
Denier	84	84 Denier	ASTM 1907
D'tex	93	93 D'tex	---
Tenacity	3.4 - 7	5 grams/denier	ASTM 2256
Elongation at Break	40%	40%	---
Product Yield, approx.	53,149 yards/pound	107,041 meters/kilogram	---

Electrical Properties	Typical Values	Average Value	Test Method
Resistivity	5	5 x 10^4 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	254°C

Package	
Package Type	Pineapple with transfer tail
Tube	Cardboard: 9 inch long, 2 inch OD
Package Weight	2.4 pounds (Average)
Packing	16 tubes per case (Average)

Phone: 1 (803) 754-7011 Fax: 1 (803) 754-7991 www.shakespeare-pf.com