

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	5×10^4 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

The information of Shakespeare Company, LLC (the "Company") contained in the Product Data Sheet (this "Sheet") is furnished to recipient (a) without charge or obligation and (b) as of the date of publication hereof and remains subject to revision at any time. Recipient accepts the information at its sole risk and the Company makes no representation or warranty with respect to the information herein, including the accuracy thereof, and assumes no liability in connection with any reliance on, or application or use of, the information and/or products herein. This Sheet in no way modifies, amends, or expands any specifications or warranty of the Company. Notwithstanding the generality of the foregoing, any properties and/or applications herein are provided as information only and do not attempt to anticipate all variations in actual end-use conditions intended by recipient. Further notwithstanding, the information herein (a) should not be used to establish specification limits or used, in whole or part, as the basis of design for use and (b) are not intended to substitute for any testing recipient may need to conduct to determine for itself, the suitability of a particular application or use for its particular application or uses. For the avoidance of doubt, the Company makes no representation or warranty with respect to any toxicological effects or industrial hygiene requirements associated with particular application or use of any product herein.