

RESISTAT® F902, MERGE X055 NM series, is a 55-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 one micron. The yarn color is black.

| Physical Properties | Typical Values | Average Value | Test Method |
|------------------------|--------------------|-------------------------|-------------|
| Denier | 55 | 55 Denier | ASTM 1907 |
| D'tex | 61 | 61 D'tex | --- |
| Tenacity | 3.4 - 7 | 5 grams/denier | ASTM 2256 |
| Elongation at Break | 30% | 30% | --- |
| Product Yield, approx. | 81,172 yards/pound | 163,481 meters/kilogram | --- |

| Electrical Properties | Typical Values | Average Value | Test Method |
|-----------------------|----------------|---------------------------------|-------------|
| Resistivity | 1 | 1×10^5 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 | 254°C |

| Package | |
|----------------|-----------------------------------|
| Package Type | Pineapple with transfer tail |
| Tube | Cardboard: 9 inch long, 2 inch OD |
| Package Weight | 2 pounds (Average) |
| Packing | 17 tubes per case (Average) |

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