

## Shakespeare Resistat® F9322 A061 Nylon 6 Monofilament

Category : Polymer , Thermoplastic , Nylon , Nylon 6 , Nylon 6 Fiber

### Material Notes:

Resistat F9322, MERGE A061 is composed of a 22 denier nylon 6 monofilament, which has electrically conductive carbon suffused into the surface, combined with two ends of 70/30 polyester yarn. The components have been twisted together and heat set. The conductive filaments have a round cross section with a coating thickness of approximately 1 micron. The yarn color is gray. Resistat is used for carpeting, ESD garments, and industrial belting and brushes. Information provided by Shakespeare Company.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Shakespeare-Resistat-F9322-A061-Nylon-6-Monofilament.php](http://www.lookpolymers.com/polymer_Shakespeare-Resistat-F9322-A061-Nylon-6-Monofilament.php)

Physical Properties	Metric	English	Comments
Fiber Count	189 dtex	170 denier	

Mechanical Properties	Metric	English	Comments
Elongation at Break	45 %	45 %	
Tenacity	0.309 N/tex	3.50 g/denier	

Thermal Properties	Metric	English	Comments
Melting Point	220 °C	428 °F	

Electrical Properties	Metric	English	Comments
Electrical Resistivity	200000 ohm-cm	200000 ohm-cm	

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