

## Shakespeare Sanstat<sup>®</sup> CN125 .64mm Nylon 66 Monofilament

Category : Polymer , Thermoplastic , Nylon , Nylon 66 , Nylon 66 Fiber

### Material Notes:

Sanstat CN125 nylon 6,6 monofilaments have electrically conductive carbon suffused into the surface. The filaments have a carbon coating thickness of approximately 1 micron. Information provided by Shakespeare Company.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Shakespeare-Sanstat-CN125-64mm-Nylon-66-Monofilament.php](http://www.lookpolymers.com/polymer_Shakespeare-Sanstat-CN125-64mm-Nylon-66-Monofilament.php)

| Physical Properties | Metric                          | English  | Comments                    |
|---------------------|---------------------------------|--|-----------------------------|
| Density             | 1.11 g/cc<br>@Diameter 0.640 mm | 0.0401 lb/in <sup>3</sup><br>@Diameter 0.0252 in | Product yield of 2792 m/kg. |
| Fiber Count         | 3580 dtex                       | 3220 denier                                      | Per Filament                |

| Mechanical Properties | Metric      | English       | Comments              |
|-----------------------|-------------|---------------|-----------------------|
| Elongation at Break   | 26 %        | 26 %          |                       |
| Tenacity              | 0.441 N/tex | 5.00 g/denier | 14.5 kg breaking load |

| Thermal Properties | Metric  | English  | Comments |
|--------------------|---|--|----------|
| Melting Point      | 254 Â°C   | 489 Â°F  |          |
| Shrinkage          | 5.00 %<br>@Temperature 175 Â°C,<br>Time 601 sec | 5.00 %<br>@Temperature 347 Â°F,<br>Time 0.167 hour |          |

| Electrical Properties  | Metric                            | English                           | Comments |
|------------------------|-----------------------------------|-----------------------------------|----------|
| Electrical Resistivity | 5000 ohm-cm<br><br><= 8000 ohm-cm | 5000 ohm-cm<br><br><= 8000 ohm-cm | Average  |

## Contact Songhan Plastic Technology Co.,Ltd.

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