

Marktek Inc.

Your One-Stop Shop for EMI-shielding, Conductive, Resistive, & Microwave-Absorptive Materials

Data Sheet for S423536XY Conductive Sewing Thread

Description: 400Z-twisted 4-ply, silver-plated nylon 66 235/36 flat yarn with a filament 500S twist; total nominal 1220±15 dtex,

Appearance: silvery gray

Linear Resistance: 1±0.25 Ω/in (40±10 ohm/m)

Yield: min. 4030 yd/lb (8060 m/kg)

Approximate Diameter: <0.5 mm (20 mils)

Breaking Strength: min. 2700 g, max 2900 g

Tenacity: 47±5 cN/tex

Elongation at Break: 26±5%

Temperature Limits: up to 90°C (194°F)

Splice Frequency: 4 max/package(pool)

Packaging: ~1-lb paper or plastic, 230 mm, 3° 30 cones and 100-m plastic hobby cones (no lubricant on 1-lb packages)

RoHS and REACH Compliant

Applications: Conductive sewing and embroidery thread or wire for ESD, medical, EMI knitted gaskets, and smart textiles applications, and for anchoring bus bars. Silver is a broad spectrum biocide, so the product can be used wherever antimicrobial properties are desired.

The information provided here is for illustrative purposes only and should not be considered a product specification. All statements and data given herein are believed to be accurate and reliable but are presented without guarantee, warranty, or responsibility of any kind, expressed or implied. As always, it is up to the user of this product to make the final determination as to whether the said product is suitable for the user's intended application.

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