

Marktek Inc.

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

Technical Data Sheet for SMF10300 Conductive Filler

Description: Silver-plated nylon microfibers

Appearance: gray powder

Bulk Resistivity: $\sim 1.1 \text{ m}\Omega\text{-cm}$

Lowest Surface Resistivity of Loaded Part: $< 0.8 \text{ ohm/sq}$

True Density: 1.5 g/cm^3

Avg. Particle Size: $10 \text{ }\mu\text{m} \times 300 \text{ }\mu\text{m}$

Avg. Aspect Ratio: 30/1

Temperature Limits: up to 190°C (375°F)

Solubility: insoluble in water and ordinary solvents

Applications: For blending into various resins for static dissipative or EMI shielding plastics, conductive adhesives, and conductive elastomers. The low density material yields uniform filler dispersion and reduces particle settling; enhances dispersion and rheology of composites by producing optimal and predictable packing characteristics. Silver is a broad spectrum biocide, so the product can be added 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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