

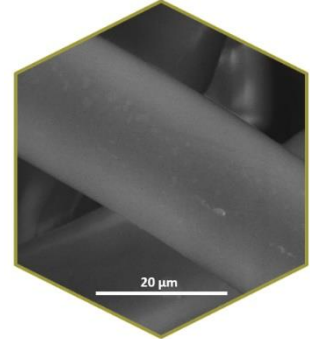
Antimicrobial Fabrics



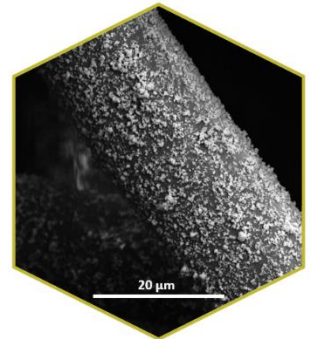
SINTX Technologies, Inc. has focused on developing a high quality medical-grade silicon nitride (SN), historically used to produce FDA-cleared implantable devices. We have also developed a powdered form of SN that can be impregnated into fabrics such as nonwoven spunbond polypropylene (SBPP).

SN powder and impregnated fabrics have demonstrated antiviral, antibacterial, and antifungal properties in independent laboratory tests performed in accordance with industry standard test methods.

Untreated Polypropylene



Silicon Nitride Impregnated SBPP

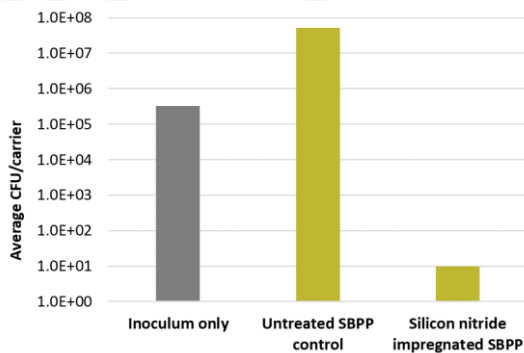


Antimicrobial Performance

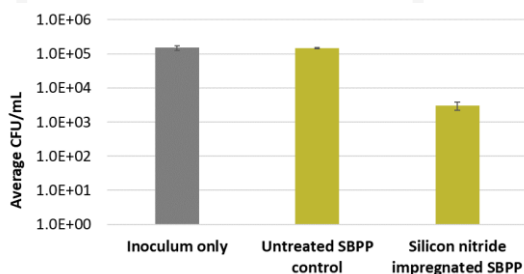
During independent laboratory testing, SN-impregnated SBPP inactivated >99.999% of *S. aureus* after a 24-hour contact time, 97.9% of *S. aureus* after 1 hour, and >96% of SARS-CoV-2 virus after 10 and 30 minutes.

Antibacterial Data

AATCC 100, 24-hour contact time

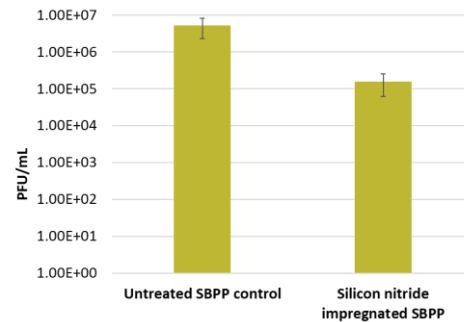


ASTM E2149, 1-hour contact time



Antiviral Data

ISO 18184, 10-minute contact time



ISO 18184, 30-minute contact time

