



NONWOVEN NANOFIBER MATRICES TECHNICAL APPLICATIONS



NANOFIBERS HAVE LONG BEEN USED IN FILTRATION APPLICATIONS. MORE RECENTLY, USES FOR NANOFIBERS IN THE GARMENT INDUSTRY, THE ENERGY SECTOR, AND OTHER INDUSTRIAL APPLICATIONS HAVE ALSO BEEN DEVELOPED. WHETHER IT IS AS A WATER IMPERMEABLE BREATHABLE LAYER, A BATTERY MEMBRANE SEPARATOR OR A SOUND ABSORPTION DEVICE, THE BENEFITS OF OUR NANOFIBERS ARE UNDENIABLE.

POTENTIAL BENEFITS OF NANOFIBER MATERIALS:

- Strength, flexibility
- High surface area to volume ratio
- Elasticity
- Microparticle entrapment
- Rapidly dissolving
- Hydrophobic or hydrophilic
- Small pore size
- Breathable
- Nanoparticle or additive encapsulation



EXAMPLES OF POLYMERS THAT CAN BE ELECTROSPUN:

POLYURETHANE	PVDF	CELLULOSE ACETATE
PVP	DEXTRAN	PVOH
POLYAMIDE	PEO	POLYSTYRENE
PLA	PCL	PLGA



SNS Nano is the ideal strategic partner for your development and manufacturing needs. From the small trial stage through full scale production, you can be assured of the highest quality and consistency no matter what application or market you are targeting.

Contact SNS Nano to learn more about nanofibers or request samples of our products.

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