

A burning passion for fire protection.



Advancing the science of safety.

The Ultimate Choice for Protection and Performance.

The Ultimate Fiber, TECGEN® Fiber.

Meeting and exceeding regulatory compliance standards isn't just a mission statement; it's woven into

everything we do. That's why we made TECGEN® fiber far more protective than it needed to be. The patented, high-density carbonaceous shell absorbs incredible heat, yet allows the comfortable inside fiber to remain untouched. So all you'll feel is cool and comfortable.

Expand your fire and heat protection products' performance with a wide range of spinning, strength and blending capabilities.



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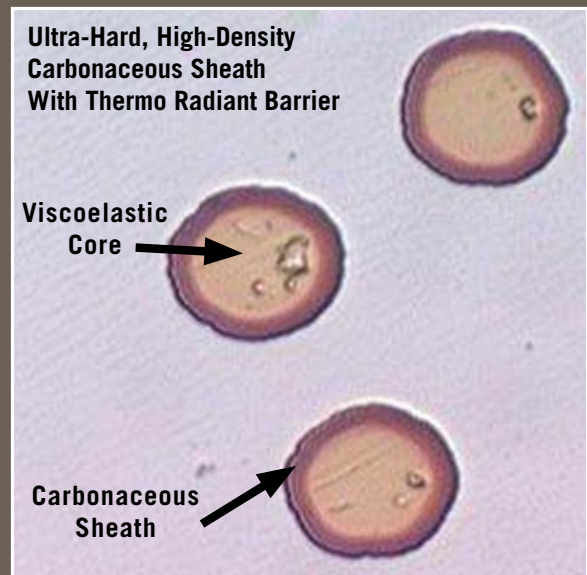
TECGEN[®] Leading Edge Technology.

Protection and Performance You Can Believe In.

TECGEN[®] fiber is a patented, Bi-regional fiber with unique heat protection capabilities. It features a high density carbonaceous shell, which provides protection from radiant heat, while the core is engineered to be flexible allowing for a wider array of technical textiles. The beauty of TECGEN[®] fiber is that it can be blended or spun into normal textiles, unlike carbon fibers described as OPF.

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TECGEN[®] Bi-Regional Fiber – Cross Section



TECGEN[®] Fiber. Exceptional Possibilities. Extensive Capabilities.

Spinnability and Blendability.

TECGEN[®] fiber is an exceptional versatile performance fiber. It can be more easily spun with a wide range of fibers in woven and nonwoven applications for protection, comfort and performance. Other fibers are brittle and can break down and degrade. But TECGEN[®] fiber offers superb elongation for ultimate spinning and blending delivery in demanding applications.



Thermal Protection You Can Depend On.

Performs Under Fire.

When it comes to performance, gear made with advanced TECGEN® fiber delivers the ultimate combination of lightweight, comfort and protection.

The fiber comes in 2 denier per filament, and is available in tow or staple. It has a higher density than other comparable fibers, so TECGEN® fiber provides better protection from flash fire, electric arcs and radiant heat.

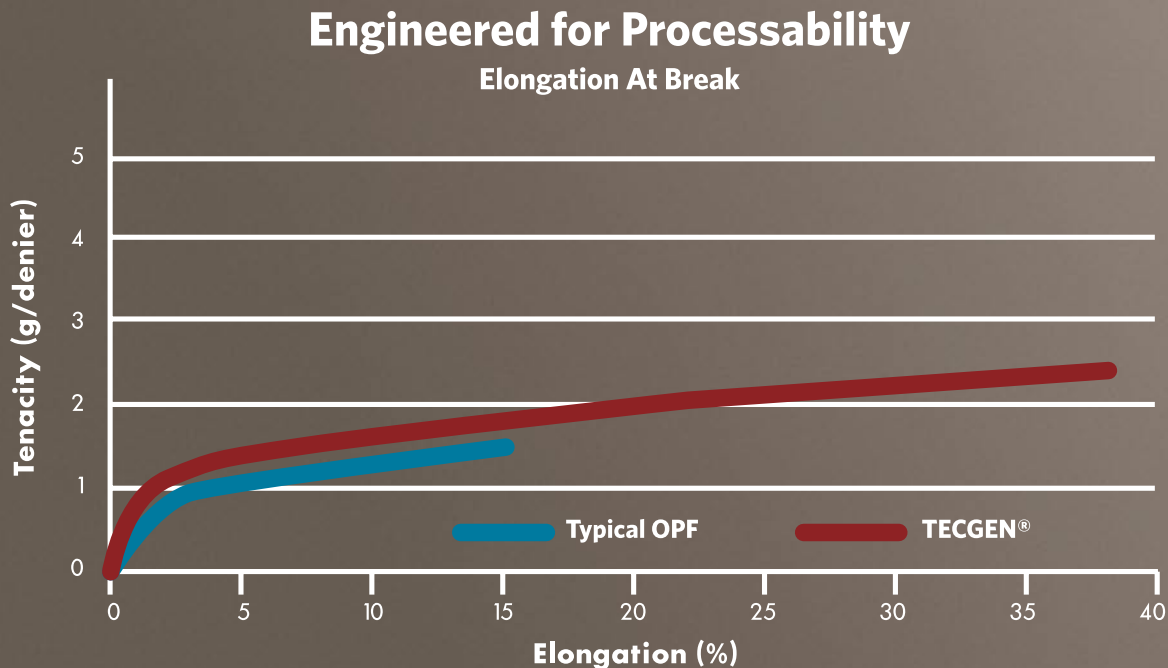
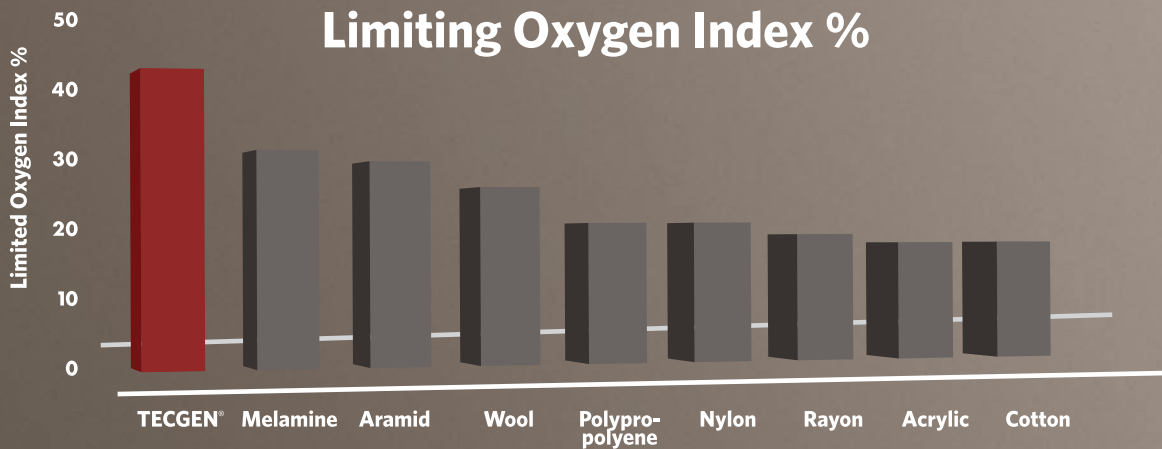


Test performed at NC State University with coverall made from TECGEN® fiber blend.

Exposure Time: 3 seconds.

Exposure Heat Flux: 2 cal/cm²sec.

TECGEN[®] Fiber Performance Edge.



Industries And Applications

- Fire Protection
- Wildland Fire Service
- Electric Arc Protection
- Flash Fire Protection
- Automotive/Racing
- Tactical
- Aerospace
- Industrial
- Manufacturing





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