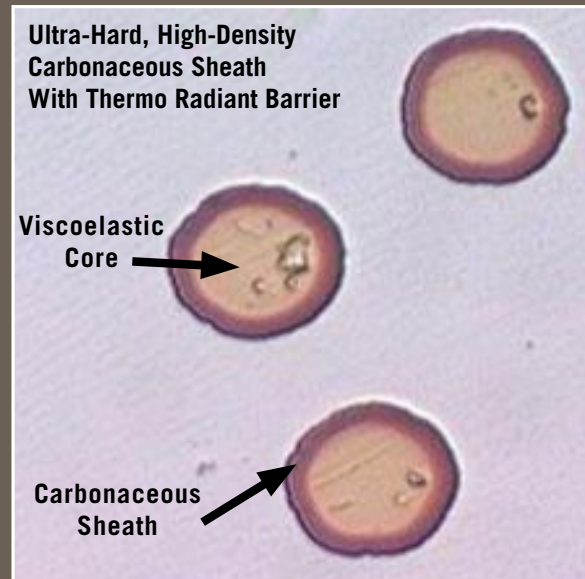


# TECGEN<sup>®</sup> Technology.

## Protection and Performance You Can Believe In.

TECGEN<sup>®</sup> 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<sup>®</sup> fiber is that it can be blended or spun into normal textiles, unlike carbon fibers described as OPF.

### TECGEN<sup>®</sup> Bi-Regional Fiber – Cross Section



### Single Fiber Properties:

Limiting Oxygen Index: > 40

Overall TECGEN<sup>®</sup> fiber density: ~ 1.32 - 1.36 g/cc

Fiber diameter: ~18 - 21 microns

Fiber denier: 2, 3, and 4 denier/filament

Tenacity (grams per denier): ≥ 1.8

Elongation of fiber at breakage: 22% Minimum

Moisture regain is approx. 6 to 8%



Advancing the science of safety.

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