



TCI's Cross-Seal™ & Therma-Pure™

Absolute Purity. Unwavering Protection. Introducing TCI's Cross-Seal™ & Therma-Pure™
The all-PTFE solution engineered to safeguard your most critical processes.

For insulation in high-purity applications where sewn insulation products containing airborne particulate cannot be used, the combination of Cross-Seal™ and Therma-Pure™ material advancements allow for the cleanest and safest insulation solutions on the market.

Featuring 100% PTFE construction from outer cover to inner insulation, this advanced heat-sealed design prevents contamination of your environment even if the outer layer sustains damage. Your critical environments stay free from unwanted particles or temperature fluctuations, no matter the challenge. Applications include medical, pharmaceutical, food, semiconductor cleanrooms, and many other high-purity environments.

- **Materials:** TCI's Therma-Pure™ material is composed of 100% recycled high-temperature fluoropolymers, heat-sealed and fully encapsulated in TCI's all-PTFE CrossFilm™ technology.
- **Compatibility:** With all environments, including cleanrooms for semiconductor applications.
- **Corrosion Prevention:** Minimizes CUI (*Corrosion Under Insulation*).
- **Extreme Operating Temperature Range:** TCI's CrossFilm™ -425°F (-254°C) to 600°F (316°C).
- **Resistance:** Unaffected by all chemicals (pH range 0-14), wet conditions, and UV.
- **Fire-resistant:** Non-combustible. TCI's CrossFilm™ is Specification Tested to FM 4910.
- **Non-contaminating:** This non-fibrous product prevents the release of particles and contaminants into the controlled environment, ensuring a non-contaminating solution.



TCI's Solution Offerings:

- Elbows
- Male & Female pipe elbows
- Threaded Bends without socket
- 45° & 90° pipe elbows
- 45° & 90° street elbow
- Elbows 45° & 90°, socket weld
- Elbows, NPT-threaded
- Elbows 45° & 90°, butt weld fittings
- Bends 45° & 90°, butt weld fittings



WEBSITE



INSULATION JACKETING