

T-Gard® P190 Thermal Liner

T-Gard® P190 has been specifically designed for furnace PPE and is exclusive to Elliotts. T-Gard® P190 is light weight and offers excellent thermal protection. The face fabric is a Proban® FR 100% cotton which provides a durable yet comfortable FR material against the body that can easily wick away moisture.

The thermal batting is a 100% Nomex® providing inherent FR protection and thermal properties.

Fabric Specifications	
Base cloth	190gsm Proban® FR Cotton
Thermal batting	240gsm 100% Nomex®
Total weight	430g/m ²

Performance/Test Data		
ISO 11612 Performance Data		
ISO 11612:2015: Protective clothing - Clothing to protect against heat and flame -- Minimum performance requirements		
Characteristic	Results	Pass/Fail
Limited Flame Spread, Face Ignition (ISO 15025 Procedure A)	No hole formation No molten or flaming debris No afterflame No afterglow	Pass
Heat Resistance - Materials (ISO 17493 at 200 C)	Materials did not melt, drip or ignite. Shrinkage 3.4%	Pass
Abrasion Resistance (ISO 12947-2 at 12kPa)	29,500 cycles	Pass
Dimensional Change (ISO 5007)	Warp: -1.5% Weft: -2.0%	Pass

Features & Benefits
Extremely comfortable liner when compared to traditional wool
Lightweight and breathable
The base materials will not bur, melt or ignite.
Delivers high levels of thermal protection
Washable