

P84® HT for Firefighter Gear

Come Home Safe Today... and Every Day!

Heroes on the front line require top-notch protective gear to not only complete their critical tasks, but also assure they arrive home unharmed each day. Evonik's high performance P84® HT fibers can be used to construct garments that deliver some of the most valuable protection benefits on the market today.

Soft & breathable, lightweight skin protection for extreme environments

The unique shape of P84® HT fibers found in protective hoods and other undergarments has an amazing ability to allow skin to breathe while battling intense heat and the surrounding environment. It allows air to flow freely, supporting your body's natural cooling system and reducing the threat of dangerous heat stress for firefighters and other extreme temperature environment professionals.

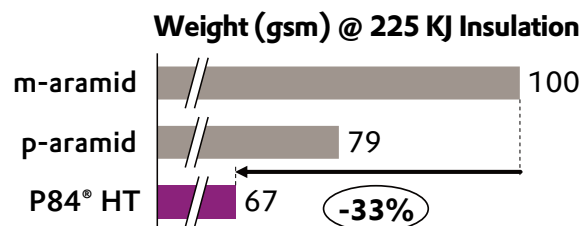


Add comfort & protection, not weight

Your job requires you to do heavy lifting. Your protective gear should not.

With P84® HT fibers protecting you, you get maximum insulation at the lowest weight. Plus, P84® HT is comfortable to the touch.

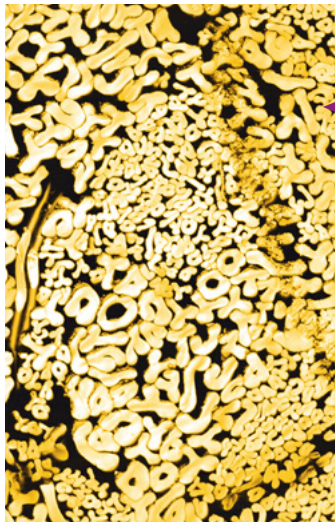
Enjoy thermal protection equal to m-aramids at almost 33% less weight!



Protect your skin from harmful particles & lighten your load while staying cool

The benefits are not only from the lighter weight, lowering heat stress, but also preventing threats to skin from exposure to dangerous particles.

Harmful particles that circulate in the air creep through protective clothing. These particulate contaminants can cause skin irritation and damage, long after the battle is over.



P84® HT's unique shape makes it possible for your next-to-skin protective clothing to assure full-battle protection by providing an excellent barrier layer that fends off those harmful particles while maximizing air flow at the same time.

P84® HT – For lighter, more breathable gear, keeping you safe over your career.

Material: P84® HT Fiber, 2 denier

Min. Tenacity	0.035 cN/dtex
Elongation	25% min 35% max

Material: 100% P84® HT Felt, 14 osy

Radiant Heat Resistance ²	1493 kJ/m ²
Afterflame ³	0.5 sec
Afterglow ³	0.6 sec
Char Length ³	24 mm
Melting or Dripping ³	None
TPP Time to Burn ⁴	
Before Washing & Drying	15.2 sec
After Washing & Drying	17.3 sec

Test Methods: (1) ASTM D 2259-02 (2016), (2) ASTM F1939-08, (3) ASTM D6413/ D6413M-15, (4) NFPA 1971-2018, par. 8.10

Ask us how!

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