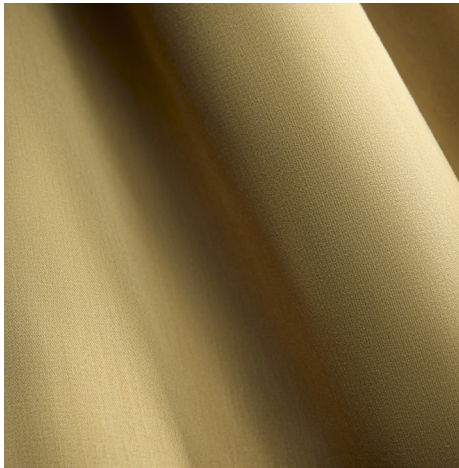


PBI NRG LP

PBI NRG LP is a tightly woven yet lightweight fabric for structural firefighting outer shells. This premium product combines Hainsworth's fabric technology expertise with PBI's market-leading fibre, providing supreme comfort, flame resistance and chemical protection.



KEY BENEFITS

- A lightweight 190gsm fabric
- Moves with the wearer, reducing the risk of heat stress
- Exceptional abrasion resistance and durability
- Woven with PBI LP, a lightweight fibre with a break-open point of around 1500°F
- Tight gabardine twill for increased liquid chemical runoff
- Excellent thermal protection, minimising heat ingress

HAINSWORTH DESIGN, PBI FIBRE

PBI NRG LP is designed and developed by Hainsworth to provide a perfect balance between protection and comfort.

- The face of the fabric has two warps, tightly packing fibres in a twill structure which gives maximum resistance to liquid penetration and aids chemical runoff. This is important for protecting the wearer from carcinogens, and helps to keep the garment clean.
- PBI NRG LP is highly durable, and can withstand a high number of wash cycles without losing any of its protective qualities.
- The inclusion of PBI LP fibre allows the fabric to withstand extremely high temperatures, protecting the wearer in the worst case scenario.
- PBI NRG LP is a lighter-weight fabric, designed for the strenuous activity carried out by firefighters. The fabric is woven with lightweight fibres in a structure that provides increased flexibility and comfort, placing less strain on the wearer and reducing the risk of heat stress - all without sacrificing any of its protective qualities.

Why is this important?

PBI NRG LP offers excellent protection in the toughest conditions. But firefighters don't just need protection during active fire scenarios - they need to be protected from any residual chemicals or carcinogens afterwards too. The chemical repellency and increased liquid runoff offered by PBI NRG LP lower the risk of exposure to harmful contaminants that may otherwise remain on the garment.

FURTHER BENEFITS

PBI NRG LP not only keeps the wearer safe, it keeps them smart too. With excellent durability and colour fastness, the fabric maintains its appearance for longer.

The majority of PPE fabrics need to be frequently re-impregnated with water-repellent chemicals to prolong their lifespan. This is not the case with PBI NRG LP - the increased number of washes it can withstand means fewer chemicals are required, making it a more sustainable option.

The outer shell fabric is only one part of a PPE garment. As PBI NRG LP is a lighter weight, it offers more potential to be combined with different membrane and liner fabrics.