

The future of protection is lightweight

Maintaining high levels of heat and flame protection is always a challenge when developing lighter weight outer fabrics. Until now, reducing weight and maintaining, or even increasing, thermal protection seemed impossible... but not anymore.

PBI Performance Products will soon be introducing a unique new fiber, PBI LPTM, for significantly lighter weight outer fabrics that still maximise thermal protection and resistance to break open.

NO COMPROMISE.

Fabrics made of PBI LPTM are lighter thus reducing the risk of heat stress for firefighters, providing greater freedom of movement without compromising protection.



The Dynamic Flame Test is used to demonstrate the time it takes for an outer-shell fabric to break down. PBI LP lasts **48 seconds** while a P-aramid/ M-aramid (225g/m²) blend lasts **3 seconds**.

PBI LP is 180g/m². The new PBI LP-blended outer shells are 10% lighter than previous PBI technologies resulting in lighter weight outer shells with uncompromised break-open resistance and flame protection.

pbi **LP**TM OUTER SHELLS



WEIGHT
~**180g/m²**



HEAT
PROTECTION
Thermal
decomposition
temp.: **650°C+**



COLOR
GOLD