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Advanced heat and
flame protection

Durable fabric
engineering

Enhanced
strength



WILDLAND, TECH RESCUE
AND INDUSTRIAL FABRICS



PROTECTION WITHOUT COMPROMISE



PBI SETS THE STANDARD FOR LIGHTWEIGHT FLAME-RESISTANT PROTECTIVE FABRICS. THESE SPECIALTY FABRICS ARE THE PREFERRED AND TRUSTED CHOICE FOR THE MOST RIGOROUS TECHNICAL RESCUE, WILDLAND AND INDUSTRIAL APPLICATIONS.

pbi TRIGUARD™

PBI TriGuard fabric is specially designed to provide lightweight protection against heat, flash fire and arc flash in the petrochemical, gas and electrical industries.

It is lightweight, flexible and highly durable and will not ignite, off-gas, or become brittle and break open when exposed to heat or flame.

PBI TriGuard is engineered in a ripstop weave with a high content of para-aramid for reduced rips and tears and greater value for the life of the garment.

Vertical Flame Test ASTM D6413

PBI TriGuard has a char length one-quarter that of FR cotton and traditional meta-aramids. No after-flame even with two 12-second burns.

Chemical Resistance

PBI TriGuard retains more than 85% of its original tensile strength, even after 10 hours of contact with hydrochloric acid, sodium hydroxide, acetone or gasoline.

Moisture Management

PBI TriGuard is highly absorptive. Its blend will wick perspiration 58% faster than typical meta-aramid fabric.

Wear Trials

PBI TriGuard fabrics were judged to be as soft and comfortable as cotton.

pbi TGP 185

PBI TriGuard TGP 185 is a lightweight fabric with enhanced tensile strength and high resistance to UV exposure.

It will not become brittle, shrink or break open when exposed to flame and high temperatures, offering excellent protection.

PBI TriGuard TGP 185 is uniquely dyeable and available in a range of colours including red, orange, green, yellow as well as navy blue and black.

PBI TriGuard TGP 185 is lightweight yet has higher tensile strength than many other heavier fabrics and still feels as soft and comfortable as cotton.

The fabric maintains high levels of wash and light fastness throughout the lifetime of the garment.

pbi gold SHIELD

PBI Gold Shield is specially designed for extreme industrial environments.

The PBI fiber, in a para-aramid blend with special finishing, provides strong, lightweight protection, even against hot metal splashes.

PBI Gold Shield offers proven performance and durability for the toughest workplace.

PBI TGP 185 TECHNICAL INFORMATION

WEIGHT	185 g/m ²
WEAVE	2X1 TWILL
BLEND	20% PBI 27% META-ARAMID 52% PARA-ARAMID 1% ANTISTAT

APPLICATION
TECH RESCUE
WILDLAND
INDUSTRIAL

COLOR	NATURAL	
	YELLOW	
	BLACK	
	RED	
	ORANGE	
	GREEN	
	NAVY BLUE	

PBI TRIGUARD TECHNICAL INFORMATION

WEIGHT 165 g/m² 170 g/m² 205 g/m²

WEAVE RIPSTOP

BLEND 20% PBI
30% LENZING FR®
50% PARA-ARAMID

APPLICATION TECH RESCUE
WILDLAND
INDUSTRIAL

COLOR NATURAL 
YELLOW 
BLACK 

**PROTECTION.
COMFORT.
DURABILITY.**

ATPV
SINGLE
LAYER
FABRICS

