



pbi[®]
www.pbiproducts.com

Advanced heat and
flame protection

Durable fabric
engineering

Enhanced
strength



pbi[®] PERFORMANCE
PRODUCTS, INC.

EUROPEAN SALES OFFICES

Im Gewerbepark D23, D-93059
Regensburg, Germany
Phone: +49 941 46 52 75 99
Fax: Fax +49 941 46 52 75 98

HEADQUARTERS

22 Mallard Way, Pride Park
Derby, DE24 8GX, UK
Phone: +44 1332 290466
Fax: +44 1322 290952

PBI Performance Products, Inc.
9800-D Southern Pine Blvd.
Charlotte, NC 28273, USA
Phone: +1 704 554 3378
Fax: +1 704 554 3101

pbi[®] 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.

PROTECTION.
COMFORT.
DURABILITY.

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. Remains supple after exposure to flame and high temperature.

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. The PBI TriGuard 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 TGP₁₈₅

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.

Its inherent flame resistance ensures that protection does not wash out or reduce over the lifetime of the garment.

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 TGP 185 TECHNICAL INFORMATION

WEIGHT 185 g/m²
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

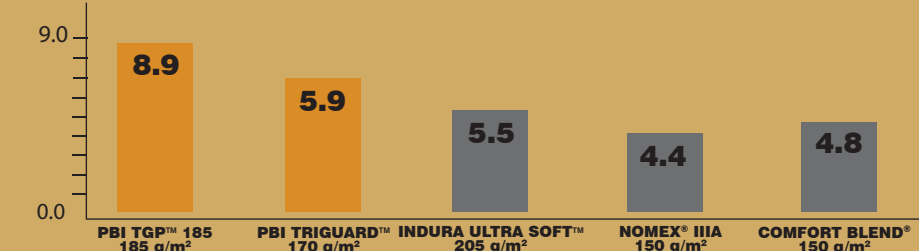
WEIGHT 170 g/m²
WEAVE RIPSTOP
BLEND 20% PBI
30% LENZING FR®
50% PARA-ARAMID

APPLICATION TECH RESCUE
WILDLAND
INDUSTRIAL

COLOR NATURAL
YELLOW
BLACK

ATPV SINGLE LAYER FABRICS

ATPV Incident Energy level predicted to cause second-degree burn. The higher the ATPV value, the greater the protection provided by the fabric.



HEAT
FLASH FIRE
ARC FLASH