



**TRADITIONAL
APPEARANCE
EXCEPTIONAL
PROTECTION**

**PROVEN PROTECTION OF
PBI[®] FIBER**

PBI[®] is a name that firefighters know and trust. 100% of yarns contains PBI[®] fibers for outstanding protection against fire.

BUILT FOR TOUGHNESS

By using high strength para-Aramid fibers and a filament reinforcement grid, this outer shell fabric provides outstanding tear and break resistance.

**MADE WITH COMFORT IN
MIND**

PBI[®] XTL is very lightweight and breathable to enhance firefighter mobility and maximize heat release.

TECHNICAL DATA*		TENCATE PBI® XTL
Nominal Weight		205 gsm (6.0 osy)
Construction		Plain Weave with high strength grid
Finish		DWR (Durable Water Repellent)
Certification		NFPA 1971, EN 469, AS/NZ 4967, GA-10, EN 1149-5
Strength/Durability		
Tensile Strength	EN ISO 13934-1: 1999	2700 x 2900 N
Tear Strength	ISO 4674-1: 2003 Method B	290 x 320 N
Residual Strength	EN ISO 6942: 2002 Method A @ 10 kW/m2	2600 x 2800 N
Protection		
Heat Resistance	ISO 17493: 2000 @ 180 °C	Fabric did not ignite or melt. Max shrinkage: 0.2%
Flame Spread	EN ISO 15025: 2002 Procedure A	EN 533 Index 3 No flaming to edge, No hole formation, No flaming or molten debris, No afterflame, No afterglow
Appearance		
Surface Wetting	EN 24920: 1992	4
Laundry Shrinkage	ISO 5077: 2007 (EN ISO 5077: 2008)	Max ± 3%
Resistance to penetration by liquid chemicals (Repellency)	EN ISO 6530: 2005 1. 40% NaOH 2. 36% HCl 3. 30% H2SO4 4. 100% o-xylene	No penetration to innermost surface. Repellency rate > 80%
Resistance to penetration by liquid chemicals (Penetration)	EN ISO 6530: 2005 1. 40% NaOH 2. 36% HCl 3. 30% H2SO4 4. 100% o-xylene	No penetration with a moisture barrier.
Determination of induction decay time	EN 1149-5: 2008 Method 2	Shielding Factor (S) must be > 0.2 Half Decay Time (T50) must be < 4 sec

AVAILABLE COLORS		
Navy	Black	Gold
<p>Sunlight/UV Exposure Advisory: Prolonged sunlight and UV exposure can be damaging to aramid fibers. Both natural (undyed) and dyed aramid fibers will fade or change color with exposure to sunlight or other UV sources. The thermal performance is not affected, but long term or repeated exposures will cause the fabric to gradually weaken. Garments should be stored so that they are protected from sunlight, including windows and bay doors, to maximize wear life. TenCate Protective Fabrics offers no warranties, implied or otherwise, for color change or fabric damage due to UV exposure.</p>		

All mentioned data must be considered as indicative values. To the best of our knowledge all information contained herein is accurate. TenCate Protective Fabrics declines any form of liability related to the use of the attached specimen that shall be regarded as a sample only and therefore not meant to be used in any form of garment making.