



ISO 9001:2008 Registered Manufacturer

PBI Gold outer / P84 Lenzing inner

Material Content:	PBI Gold: 40% PBI / 60% Kevlar	P84 Lenzing: 40% P84 / 55% Lenzing FR / 5% Kevlar
Material Construction:	PBI Gold: 1 x 1 Rib Knit	P84 Lenzing: 1 x 1 Rib Knit
Material Weight:	PBI Gold: 7.5 oz / yd ² (+1 / -.5)	P84 Lenzing: 8.0 oz / yd ² (+1 / -.5)
Material Color	PBI Gold: Gold (Standard)	P84 Lenzing: Yellow (Standard)
Color Options Available		

FABRIC PERFORMANCE VALUES

THERMAL PROTECTIVE PERFORMANCE (TPP)

as received	29.9 cal/cm ²
after 5 washes	

HOOD MATERIAL BURST STRENGTH

PBI Gold	869 N
P84 Lenzing	500 N

FLAME RESISTANCE TEST

After Flame	as received	0 seconds
	after 5 washes	0 seconds
Char Length (wales x cour. as received)	as received	PBI Gold: 2 mm x 2 mm
		P84: 61 mm x 38 mm
	after 5 washes	PBI Gold: 4 mm x 3 mm
		P84: 66 mm x 55 mm

CLEANING SHRINKAGE RESISTANCE TEST

Hood Measurement	1%
Face Opening Measurement	4%

HEAT AND THERMAL SHRINKAGE RESISTANCE TEST

Hood Measurement	as received	1%
	after 5 washes	2%
Face Opening Measureme	as received	4%
	after 5 washes	0%

SEAM BREAKING STRENGTH TEST

737 N

MELT, DRIP, IGNITE, SEPARATE WHEN EXPOSED TO FLAME

None

ARC THERMAL PERFORMANCE VALUE (ATPV)

1 ply
2 ply

HEAT ATTENUATION FACTOR (HAF)

1 ply
2 ply

Premium outer shell with unsurpassed strength, durability

Inherently flame resistant

No harsh chemical treatments

Maintains performance values after laundering

Moderate weight for added thermal protection

Finished to minimize shrinkage

Rib knit allows for stretch and shape retention

Majestic Fire Apparel is a vertical manufacturer

Knitting our own fire retardant materials for over 16 years

We knit, cut, sew, and ship - all from our location in PA

MADE IN USA

NFPA 70E PERFORMANCE SPECIFICATIONS OF

ASTM F 1959/F 1959M-06ae1:

HRC Level 1 = minimum 5 cal/cm² to 7 cal/cm²

HRC Level 2 = minimum 8 cal/cm² to 24 cal/cm²

HRC Level 3 = minimum 25 cal/cm² to 39 cal/cm²

HRC Level 4 = minimum 40 cal/cm² and over

Meets CAL-OSHA Requirements
 Passes Federal Test 191, Method 5903.2; CAL OSHA Sections 3406(d)
 Complies with OSHA Rule 29 CFR Part 1910, 269