



ISO 9001:2008 Registered Manufacturer

PBI Gold outer / PBI Lenzing inner

Material Content:	PBI Gold: 40% PBI / 60% Kevlar	PBI Lenzing: 20% PBI / 80% Lenzing FR
Material Construction:	PBI Gold: 1 x 1 Rib Knit	PBI Lenzing: 1 x 1 Rib Knit
Material Weight:	PBI Gold: 7.5 oz / yd ² (+1 / -.5)	PBI Lenzing: 6.5 oz / yd ² (+1 / -.5)
Material Color	PBI Gold: Gold (Standard)	PBI Lenzing: Light Brown (Standard)
Color Options Available	PBI Gold: Black	

FABRIC PERFORMANCE VALUES

THERMAL PROTECTIVE PERFORMANCE (TPP)

as received	32.3 cal/cm ²
after 5 washes	

HOOD MATERIAL BURST STRENGTH

PBI Gold	869 N
PBI Lenzing	351 N

FLAME RESISTANCE TEST

After Flame	as received	0 seconds
	after 5 washes	0 seconds
Char Length (wales x cour:	as received	PBI Gold: 2 mm x 2 mm PBI: 16 mm x 13 mm
	after 5 washes	PBI Gold: 4 mm x 3 mm PBI: 16 mm x 10 mm

CLEANING SHRINKAGE RESISTANCE TEST

Hood Measurement	2%
Face Opening Measurement	4%

HEAT AND THERMAL SHRINKAGE RESISTANCE TEST

Hood Measurement	as received	0%
	after 5 washes	1%
Face Opening Measureme	as received	3%
	after 5 washes	1%

SEAM BREAKING STRENGTH TEST

812 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 - breathable, rugged, high performing

Inherently flame resistant

No harsh chemical treatments

Maintains performance values after laundering

Light weight, flexible, supple fabric

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

Fabric Performance Values in accordance with NFPA 1971-2013 test report dated 9/9/2014 performed by Underwriters Laboratories
ATPV and HAF values found in accordance with ASTM International Standard Test Method F1959-1999. Tests performed by Hugh Hoagland
all weights and measurements are approximate