



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	22.7 cal/cm ²
after 5 washes	26.2 cal/cm ²

HOOD MATERIAL BURST STRENGTH

PBI Gold	722 N
PBI Lenzing	275 N

FLAME RESISTANCE TEST

After Flame	as received	1 second
	after 5 washes	1 second
Char Length (wales x courses)	as received	0" x 0"
	after 5 washes	.2" x .2"

CLEANING SHRINKAGE RESISTANCE TEST

Hood Measurement	4%
Face Opening Measurement	0%

HEAT AND THERMAL SHRINKAGE RESISTANCE TEST

Hood Measurement	as received	0%
	after 5 washes	0%
Face Opening Measurement	as received	0%
	after 5 washes	0%

SEAM BREAKING STRENGTH TEST

545 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/cm ² to 7 cal/cm ²
HRC Level 2 = minimum 8 cal/cm ² to 24 cal/cm ²
HRC Level 3 = minimum 25 cal/cm ² to 39 cal/cm ²
HRC Level 4 = minimum 40 cal/cm ² 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