



ISO 9001:2008 Registered Manufacturer

PBI (aka PBI / Lenzing)

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

FABRIC PERFORMANCE VALUES

THERMAL PROTECTIVE PERFORMANCE (TPP)

2 ply - as received	35.6 cal/cm ²
2 ply - after 5 washes	

HOOD MATERIAL BURST STRENGTH

351 N

FLAME RESISTANCE TEST

After Flame	as received	0 seconds
	after 5 washes	0 seconds
Char Length (wales x cour)	as received	16 mm x 13 mm
	after 5 washes	16 mm x 10 mm

CLEANING SHRINKAGE RESISTANCE TEST

Hood Measurement	4%
Face Opening Measurement	3%

HEAT AND THERMAL SHRINKAGE RESISTANCE TEST

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

SEAM BREAKING STRENGTH TEST

587 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

Comfortable against the skin

Inherently flame resistant

No harsh chemical treatments

Maintains performance values after laundering

Light weight for body cooling down process

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-06a¹:

HRC Level 1 = minimum 5 cal/cm² to 7 cal/cm²HRC Level 2 = minimum 8 cal/cm² to 24 cal/cm²HRC Level 3 = minimum 25 cal/cm² to 39 cal/cm²HRC 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