



ISO 9001:2008 Registered Manufacturer

Nomex Blend (aka Nomex / Lenzing)

Material Content:	20% Nomex / 80% Lenzing FR
Material Construction:	1 x 1 Rib Knit
Material Weight:	7.0 oz / yd ² (+1 / -.5)
Material Color	White (Standard)
Color Options Available	Red, Orange, Tan, Navy Blue DARK, Navy Blue HEATHER, Grey, and Black

FABRIC PERFORMANCE VALUES

THERMAL PROTECTIVE PERFORMANCE (TPP)

2 ply - as received	29.4 cal/cm ²
2 ply - after 5 washes	

HOOD MATERIAL BURST STRENGTH

335 N

FLAME RESISTANCE TEST

After Flame	as received	0 seconds
	after 5 washes	0 seconds
Char Length (wales x cour)	as received	30 mm x 38 mm
	after 5 washes	37 mm x 47 mm

CLEANING SHRINKAGE RESISTANCE TEST

Hood Measurement	4%
Face Opening Measurement	5%

HEAT AND THERMAL SHRINKAGE RESISTANCE TEST

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

SEAM BREAKING STRENGTH TEST

678 N

MELT, DRIP, IGNITE, SEPARATE WHEN EXPOSED TO FLAME

None

ARC THERMAL PERFORMANCE VALUE (ATPV)

1 ply	5.5 cal/cm ² (HRC 1)
2 ply	13 cal/cm ² (HRC 2)

HEAT ATTENUATION FACTOR (HAF)

1 ply	73%
2 ply	88%

Economical option
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-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