



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/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