



ISO 9001:2008 Registered Manufacturer

## 100% Nomex

<b>Material Content:</b>	100% Nomex
<b>Material Construction:</b>	1 x 1 Rib Knit
<b>Material Weight:</b>	8.6 oz / yd <sup>2</sup> (+1 / -.5)
<b>Material Color</b>	White (Standard)
<b>Color Options Available</b>	Red, Navy Blue, Royal Blue, Sage Green, Tan, and Black

### FABRIC PERFORMANCE VALUES

#### THERMAL PROTECTIVE PERFORMANCE (TPP)

2 ply - as received	31.2 cal/cm <sup>2</sup>
2 ply - after 5 washes	

#### HOOD MATERIAL BURST STRENGTH

830 N

#### FLAME RESISTANCE TEST

After Flame	as received	0 seconds
	after 5 washes	0 seconds
Char Length (wales x cour)	as received	27 mm x 33 mm
	after 5 washes	38 mm x 37 mm

#### CLEANING SHRINKAGE RESISTANCE TEST

Hood Measurement	1%
Face Opening Measurement	0%

#### HEAT AND THERMAL SHRINKAGE RESISTANCE TEST

Hood Measurement	as received	2%
	after 5 washes	1%
Face Opening Measureme	as received	6%
	after 5 washes	2%

#### SEAM BREAKING STRENGTH TEST

1071 N

#### MELT, DRIP, IGNITE, SEPARATE WHEN EXPOSED TO FLAME

None

#### ARC THERMAL PERFORMANCE VALUE (ATPV)

1 ply	6.3 cal/cm <sup>2</sup> (HRC 1)
2 ply	11.2 cal/cm <sup>2</sup> (HRC 2)

#### HEAT ATTENUATION FACTOR (HAF)

1 ply	73%
2 ply	82.8%

DuPont name known in the industry  
 Inherently flame resistant  
 No harsh chemical treatments  
 Maintains performance values after laundering  
 Premium weight for cold defeating warmth  
 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<sup>2</sup> to 7 cal/cm<sup>2</sup>  
 HRC Level 2 = minimum 8 cal/cm<sup>2</sup> to 24 cal/cm<sup>2</sup>  
 HRC Level 3 = minimum 25 cal/cm<sup>2</sup> to 39 cal/cm<sup>2</sup>  
 HRC Level 4 = minimum 40 cal/cm<sup>2</sup> 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