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ISO 9001:2008 Registered Manufacturer

Rayon / Kevlar

Material Content: 20% Black Kevlar / 80% Lenzing FR
Material Construction: 1 x 1 Rib Knit
Material Weight: 8.0 oz / yd^2 (+1 / -.5)
Material Color Grey (Standard)
Color Options Available Black

FABRIC PERFORMANCE VALUES

THERMAL PROTECTIVE PERFORMANCE (TPP)		
	2 ply - as received	38.8 cal/cm^2
	2 ply - after 5 washes	
HOOD MATERIAL BURST STRENGTH		
		552 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 14 mm
	after 5 washes	14 mm x 15 mm
CLEANING SHRINKAGE RESISTANCE TEST		
Hood Measurement		3%
Face Opening Measurement		5%
HEAT AND THERMAL SHRINKAGE RESISTANCE TEST		
Hood Measurement	as received	1%
	after 5 washes	0%
Face Opening Measureme	as received	0%
	after 5 washes	1%
SEAM BREAKING STRENGTH TEST		
		821 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	

Enhanced kevlar blend for added strength and durability
Inherently flame resistant
No harsh chemical treatments
Maintains performance values after laundering
Moderate weight for added thermal protection
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

Fabric Performance Values in accordance with NFPA 1971-2013 test report dated 9/9/2014 performed by Underwriters Laboratories
ATPV and HAF values found in accordance with ASTM International Standard Test Method F1959-1999. Tests performed by Hugh Hoagland
all weights and measurements are approximate