

ISO 9001:2008 Registered Manufacturer

Ultra C6

Material Content: 65% Oxidized Polyacrylonitrile (OPF)/ 35% artificial tri-blend

Material Construction:1 x 1 Rib KnitMaterial Weight:6.5 oz / yd² (+1 / -.5)Material ColorBlack (Standard)

Color Options Available

FABRIC PERFORMANCE VALUES

THERMAL PROTECTIVE PERFORMANCE (TPP)			
	2 ply - as received	33.1 cal/cm ²	
	2 ply - after 5 washes		
HOOD MATERIAL BURST STRENGTH			
		402 N	
FLAME RESISTANCE TEST			
After Flame	as received	o seconds	
	after 5 washes	o seconds	
Char Length (wales x cour as received		4 mm x 4 mm	
	after 5 washes	3 mm x 3 mm	
CLEANING SHRINKAGE RESISTANCE TEST			
Hood Measurement		0%	
Face Opening Measurement		4%	
HEAT AND THERMAL SHRINKAGE RESISTANCE TEST			
Hood Measurement	as received	0%	
	after 5 washes	3%	
Face Opening Measureme as received		3%	
	after 5 washes	5%	

4th generation advanced CARBON technology
3 elements needed for fire = Oxygen, Heat, and Fuel
Without one element, a fire cannot start or continue
When exposed to flame, C6 fibers expand,
creating an Oxygen starved environment
so fire cannot continue. Material is self extinguishing
Inherently flame resistant (no harsh chemical treatments)
Odor neutralizing, Anti-Static, Low Heat Conductivity
Maintains performance values after laundering
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

SEAM BREAKING STRENGTH TEST

573 N

MELT, DRIP, IGNITE, SEPARATE WHEN EXPOSED TO FLAME

None

ARC THERMAL PERFORMANCE VALUE (ATPV)			
1 ply	10.6 cal/cm² (HRC 2)		
2 ply	31.5 cal/cm² (HRC 3)		
HEAT ATTENUATION FACTOR (HAF)			
1 ply	79.1%		
2 ply	92.1%		
	1 ply 2 ply FACTOR (HAF) 1 ply		

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