

Flash Fire Protection Fabric for the Oil & Gas Industry



# BAOFENG® BlazeArmor



Now well-proven BlazeArmor  
blends improve comfort and reduce heat stress

- ◆ Excellent Flash Fire protection
- ◆ Inherently Flame resistant. FR properties cannot be removed by washing or wear
- ◆ Industrial launderable - very durable - excellent value. High colour fastness.
- ◆ Blends can be reinforced with Para Aramid-Polyamide - Formaldehyde free
- ◆ Numerous blends and weights
- ◆ ENISO 11612 - NFPA 2112 Chinese GB certified

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# BAOFENG® BlazeArmor



## Advanced protection using Lenzing™ FR branded fiber

Many Oil and Gas personnel have to work in very harsh and hot conditions, but also require suitable protective clothing. The present 40 year old technology has provided protection, but poor comfort, due to 100% synthetic make up. End users now seeking a new solution. Several major Oil and Gas Nationals have opted for the BlazeArmor blend.

Physical Properties						
		Test Standard	BlazeArmor 150	BlazeArmor 170	BlazeArmor 200	BlazeArmor 250
Fabric Weight (g/m2)		ISO 3801	150	170	200	250
Composition		Lenzing™ FR, Aramid, Anti-static				
FR PERFORMANCE	after flame time	NFPA 2112	0s	0s	0s	0s
	char length		< 60mm	< 60mm	< 60mm	< 60mm
	after flame time	ISO 11612	< 1s	< 1s	< 1s	< 1s
	after glow time		< 1s	< 1s	< 1s	< 1s
	hole formation		No	No	No	No
Anti-static		EN 1149-5	PASS	PASS	PASS	PASS
Tensile Strength (N)	Warp	ISO 13934 -1	600	700	800	1100
	Weft		500	550	600	800
Tear Strength (N)	Warp	ISO 13937-2	35	40	45	50
	Weft		35	35	40	45
Wick	5 min	BS 3424	6	5.5	5	4.5
Air permeability	cm3/min/cm2	ASTM D 737	> 60	> 45	> 35	> 30
Abrasion Resistance (rubs)		ISO 12947-2	30K	30K	30K	30K
Dimensional Stability to Washing	Warp/ Weft	ISO 6330	< 3%	< 3%	< 3%	< 3%
Color Fastness						
To Washing		ISO 105 C06	4	4	4	4
To Rubbing	Dry	ISO 105 X12	4	4	4	4
	Wet		3 - 4	3 - 4	3 - 4	3 - 4
To Dry Clean		ISO 105 D01	4	4	4	4
To Light		ISO 105 B02	4	4	4	4
To Perspiration	acid	ISO 105 E04	4	4	4	4
	alkaline		3 - 4	3 - 4	3 - 4	3 - 4
To Water		ISO 105 E01	4	4	4	4
Azo Free Dye Test		ISO 14362-1	FREE		FREE	FREE

60°C Maximum

Tumble dry 70°C Maximum. Do not over dry garments.

Do not bleach or use bleachbased detergents.

Warm iron

Fabric can be dry cleaned but this may damage reflective tape, trials are required.

More comfort less heat stress .  
Lenzing™ FR branded Fibers based on Modal Fiber technology, OEKO TEX Class One, eco friendly production.

### Colors Available

(color customizable)



Lenzing™ FR is a trademark of Lenzing AG.



Lenzing™ FR

**Belltron.**



## About Baofeng

BAOFENG specialises in manufacturing of protective yarns, fabrics and accessories. The company is privately owned, established in 1994 in Changshu close to Shanghai. Present capacity is 1000 tons of yarns and 3 million meters of fabrics, producing only inherently FR products. The SGS designed internal laboratory has strong product development capability and is certified ISO9001 ISO14001 OHSAS 18001, and UL Audited.

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