KEYSTONE

Flame Retardant Fabric

KEYSTONE
TECHNOLOGY OF PROTECTION

FRC220

Construction:	Woven fabric
Weight:	220g/sm±5%
Width:	150cm±5%
Material:	99%Cotton 1%Anti-static fiber
Performance:	

Flame retardant to:EN ISO 11611 Class 2 A1+A2
EN ISO 11612 A1,A2,B1,C1,F1
EN ISO 14116 index 3
Anti-static to:EN ISO 1149-3
Electric arc to:IEC 61482-1-2-Class 1(4KA)
IEC61482-2:2018 APC=1

FRC260

Construction:	Woven fabric
Weight:	260g/sm±5%
Width:	150cm±5%
Material:	100%Cotton
Performance:	

Flame retardant to:NFPA 2112
EN ISO 11611 Class 2 A1+A2
EN ISO 11612 A1,A2,B1,C1,E1,F1
EN ISO 14116 index 3
Electric arc to:IEC 61482-1-2-Class 1(4KA)
Arc rating to ASTM F1959, ATPV=8.2cal/cm², CAT 2

KEYSTONE
TECHNOLOGY OF PROTECTION

FRC350

Construction:	Woven fabric
Weight:	350g/sm±5%
Width:	150cm±5%
Material:	99%Cotton 1%Anti-static fiber
Performance:	

Industry washing:EN ISO 15797
Flame retardant to:EN ISO 11611 Class 2 A1+A2
EN ISO 11612 A1,A2,B1,C1,E3,F1
EN ISO 14116 index 3
Anti-static to:EN ISO 1149-3
Electric arc to:IEC 61482-1-2-Class 1(4KA)
IEC61482-2:2018 APC=1

FRCT250

Construction:	Woven fabric
Weight:	250g/sm±5%
Width:	145cm±5%
Material:	87%Cotton/12%Nylon 1%Anti-static fiber
Performance:	

Flame retardant to:NFPA 2112
EN ISO 11611 Class 2 A1+A2
EN ISO 11612 A1,A2,B1,C1,E1,F1
EN ISO 14116 index 3
Electric arc to:IEC 61482-1-2-Class 1(4KA)
Arc rating to ASTM F1959, ATPV=8.6cal/cm², CAT 2
Hi-vis:EN 20471 yellow. EN1149

KEYSTONE
TECHNOLOGY OF PROTECTION

FRCT470

Construction:	Woven fabric
Weight:	470g/sm±5%
Width:	150cm±5%
Material:	88%Cotton 12%Nylon

Performance:

Flame retardant to:NFPA 2112
EN ISO 11611 Class 2 A1+A2
EN ISO 11612 A1,A2,B1,C1,E3,F1
EN ISO 14116 index 3
Electric arc to:IEC 61482-1-2-Class 1(4KA)
Arc rating to ASTM F1959, ATPV=21cal/cm², CAT 2
Hi-vis:EN 20471 yellow

FRTC270

Construction:	Knitted fabric
Weight:	270g/sm±5%
Width:	180cm±5%
Material:	60%Acrylic/38%Cotton 2%Conductive wire

Performance:

Flame retardant to:EN ISO 11611 Class 1 A1+A2
EN ISO 11612 A1,B1,C1
Anti-static to:EN ISO 1149-3
Electric arc to:IEC 61482-1-2-Class 1(4KA)
Hi-vis:EN 20471 yellow

KEYSTONE
TECHNOLOGY OF PROTECTION

FRTC280

Weight:	280g/sm±5%
Width:	150cm±5%
Material:	60%Acrylic/38%Cotton 2%Conductive wire
Performance:	

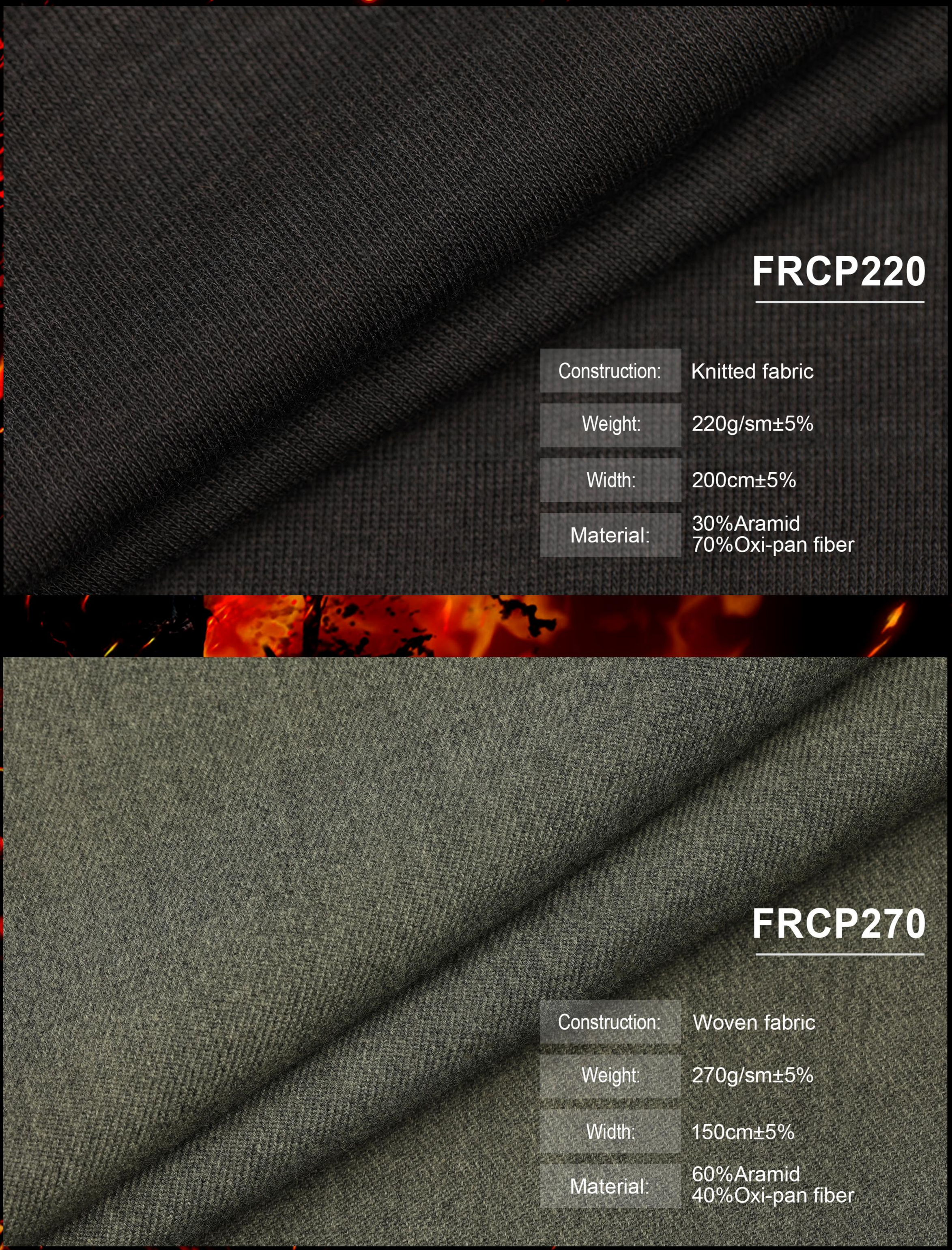
Flame retardant to:EN ISO 11611 Class 1 A1+A2
EN ISO 11612 A1,B1,C1
Anti-static to:EN ISO 1149-3
Electric arc to:IEC 61482-1-2-Class 1(4KA)
Hi-vis:EN 20471 yellow

FRTC350

Construction:	Knitted fabric
Weight:	350g/sm±5%
Width:	150cm±5%
Material:	60%Acrylic/40%Cotton
Performance:	

Flame retardant to:EN ISO 11611 Class 1 A1+A2
EN ISO 11612 A1,B1,C1
Electric arc to:IEC 61482-1-2-Class 1(4KA)

KEYSTONE
TECHNOLOGY OF PROTECTION



FRCP220

Construction:	Knitted fabric
Weight:	220g/sm±5%
Width:	200cm±5%
Material:	30%Aramid 70%Oxi-pan fiber

FRCP270

Construction:	Woven fabric
Weight:	270g/sm±5%
Width:	150cm±5%
Material:	60%Aramid 40%Oxi-pan fiber

KEYSTONE
TECHNOLOGY OF PROTECTION

FRM125

Construction:	Woven fabric
Weight:	125g/sm±5%
Width:	150cm±5%
Material:	Modacrylic/Cellulosic fiber PI/Nylon/Anti-static fiber
Performance:	

GB8965.1-2020； EN ISO 11612:A1/A2
GB 12014-2019

FRM185

Construction:	Woven fabric
Weight:	185g/sm±5%
Width:	150cm±5%
Material:	Modacrylic/FR viscose Para-aramid/Conductive wire
Performance:	

GB8965.1-2020； GB 12014-2019
EN ISO 11612:A1/A2/E1
Arc protection:HRC-1
DLIT-320:ATPV=6.7cal/Ebt=15cal

KEYSTONE
TECHNOLOGY OF PROTECTION

FRM230

Construction:	Woven fabric
Weight:	230g/sm±5%
Width:	150cm±5%
Material:	Modacrylic/FR viscose/ Para-aramid/Conductive fiber
Performance:	GB8965.1-2020 ; GB 12014-2019 EN ISO 11612:A1/A2/E1 Arc protection:HRC-2 DL/T-320: ATPV=9.4cal/Ebt=20cal

FRM250-1

Construction:	Woven fabric
Weight:	250g/sm±5%
Width:	150cm±5%
Material:	Modacrylic/Cotton Conductive fiber
Performance:	EN ISO 11612:A1/A2/E1 EN 20471 yellow GB 12014-2019

KEYSTONE
TECHNOLOGY OF PROTECTION

FRM250

Construction:	Woven fabric
Weight:	250g/sm±5%
Width:	150cm±5%
Material:	60%Polyacrylic acid fiber 38%Cotton/2%Anti-static
Performance:	

Flame retardant to:EN ISO 11611 Class 2 A1+A2
EN ISO 11612 A1,A2,B1,C1,E3,F1
Anti-static to:EN ISO 1149-3
Hi-vis:EN 20471 yellow.
Chemical splash:EN 13034
Electric arc to:IEC 61482-1-2-Class 1(4KA)

FRM300

Construction:	Woven fabric
Weight:	300g/sm±5%
Width:	150cm±5%
Material:	54%Polyacrylic acid fiber 34%Cotton/7%Kevlar 3%PA/2%Anti-static
Performance:	

Flame retardant to:EN ISO 11611 Class 1 A1+A2
EN ISO 11612 A1,B1,C1,E3,F1
EN ISO 14116 index 3
Electric arc to:IEC 61482-1-2-Class 1(4KA)
IEC 61482-1-2-1,ATPV=9cal/cm²
Hi-vis:EN 20471 yellow
Chemical splash:EN 13034

KEYSTONE
TECHNOLOGY OF PROTECTION

FRT220

Construction:	Woven fabric
Weight:	220g/sm±5%
Width:	150cm±5%
Material:	80%Acrylic 20%Viscose
Performance:	

Flame retardant to:NFPA 2112
EN ISO 11611 Class 2 A1+A2
EN ISO 11612 A1,A2,B1,C1,F1
EN ISO 14116-3

FRT400

Construction:	Knitted fabric
Weight:	400g/sm±5%
Width:	170cm±5%
Material:	Acrylic/Cellulose/Nylon other FR blends
Performance:	

Flame retardant to:NFPA 2112
EN ISO 11611 Class 2 A1+A2
EN ISO 11612 A1,A2,B1,C1,F1
EN ISO 14116 index 3
Electric arc to:IEC 61482-1-2-Class 1(4KA)
Arc rating to ASTM F1959,ATPV=16cal/cm^2,CAT 2

KEYSTONE
TECHNOLOGY OF PROTECTION

FRA150

Construction:	Woven fabric
Weight:	150g/sm±5%
Width:	150cm±5%
Material:	93%Meta-aramid 5%Para-aramid 2%Anti-static fiber
Performance:	

Flame retardant to:NFPA 2112
EN ISO 11611 Class 2 A1+A2
EN ISO 11612 A1,A2,B1,C1
EN ISO 14116 index 3
Electric arc to:IEC 61482-1-2-Class 1(4KA)
ATPV=6.4cal/cm²

FRA200

Construction:	Woven fabric
Weight:	200g/sm±5%
Width:	150cm±5%
Material:	93%Meta-aramid 5%Para-aramid 2%Anti-static fiber
Performance:	

Flame retardant to:NFPA 2112
EN ISO 11611 Class 2 A1+A2
EN ISO 11612 A1,B1,C1,E1
EN ISO 14116 index 3
Electric arc to:IEC 61482-1-2-Class 1(4KA)
ATPV=6.8cal/cm²

KEYSTONE
TECHNOLOGY OF PROTECTION

FRA200-5

Construction:	Woven fabric
Weight:	200g/sm±5%
Width:	150cm±5%
Material:	Meta-aramid/Para-aramid Conductive wire
Performance:	

GB8965.1-2020 ; GB 12014-2019
EN ISO 11612:A1/A2/E1

FRA380

Construction:	Knitted fabric
Weight:	380g/sm±5%
Width:	180cm±5%
Material:	Aramid/Polyester

KEYSTONE
TECHNOLOGY OF PROTECTION

FRAR125

Construction:	Woven fabric
Weight:	125g/sm±5%
Width:	150cm±5%
Material:	Meta-aramid FR viscose/Modacrylic Conductive wire
Performance:	

GB8965.1-2020 ; EN ISO 11612:A1/A2
GB 12014-2019

FRAR160

Construction:	Woven fabric
Weight:	160g/sm±5%
Width:	150cm±5%
Material:	Meta-aramid/FR viscose Conductive fiber
Performance:	

GB8965.1-2020 ; EN ISO 11612:A1/A2
GB 12014-2019

KEYSTONE
TECHNOLOGY OF PROTECTION

FRAR160-1

Construction:	Woven fabric
Weight:	160g/sm±5%
Width:	150cm±5%
Material:	Meta-aramid/FR viscose Spandex/Conductive wire
Performance:	

GB8965.1-2020 ; EN ISO 11612:A1/A2
GB 12014-2019

FRAR200

Construction:	Woven fabric
Weight:	200g/sm±5%
Width:	150cm±5%
Material:	Meta-aramid/FR viscose Conductive wire
Performance:	

GB8965.1-2020 ; EN ISO 11612:A1/A2
GB 12014-2019

KEYSTONE
TECHNOLOGY OF PROTECTION

FRAR200-1

Construction:	Woven fabric
Weight:	200g/sm±5%
Width:	150cm±5%
Material:	Meta-aramid/FR viscose Conductive wire
Performance:	

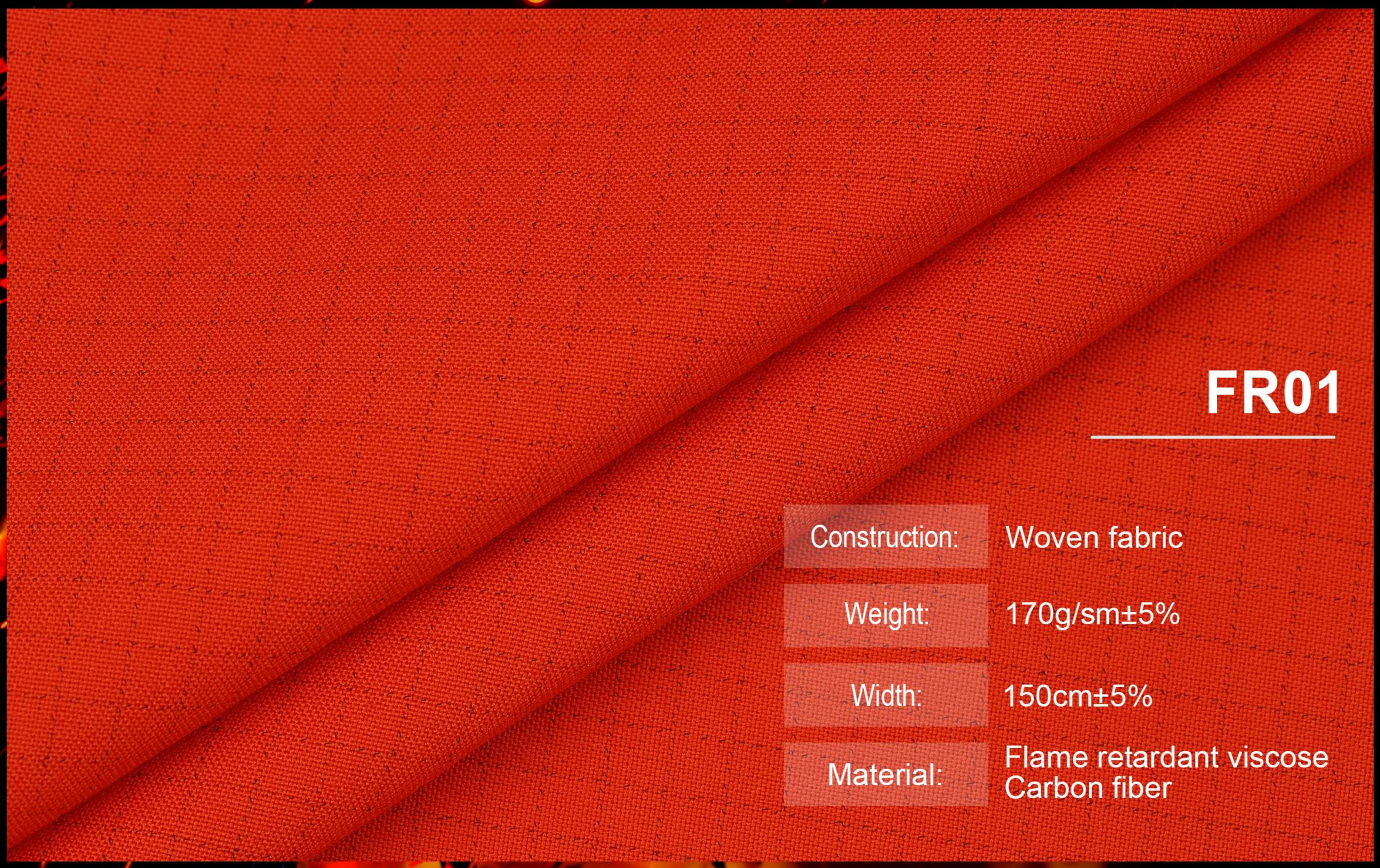
GB8965.1-2020 ; EN ISO 11612:A1/A2
GB 12014-2019

FRAR210

Construction:	Woven fabric
Weight:	210g/sm±5%
Width:	150cm±5%
Material:	Aramid/FR viscose Conductive wire
Performance:	

GB8965.1-2020 ; EN ISO 11612:A1/A2
GB 12014-2019 ; NFPA 2112

KEYSTONE
TECHNOLOGY OF PROTECTION



FR01

Construction:	Woven fabric
Weight:	170g/sm±5%
Width:	150cm±5%
Material:	Flame retardant viscose Carbon fiber



FR03

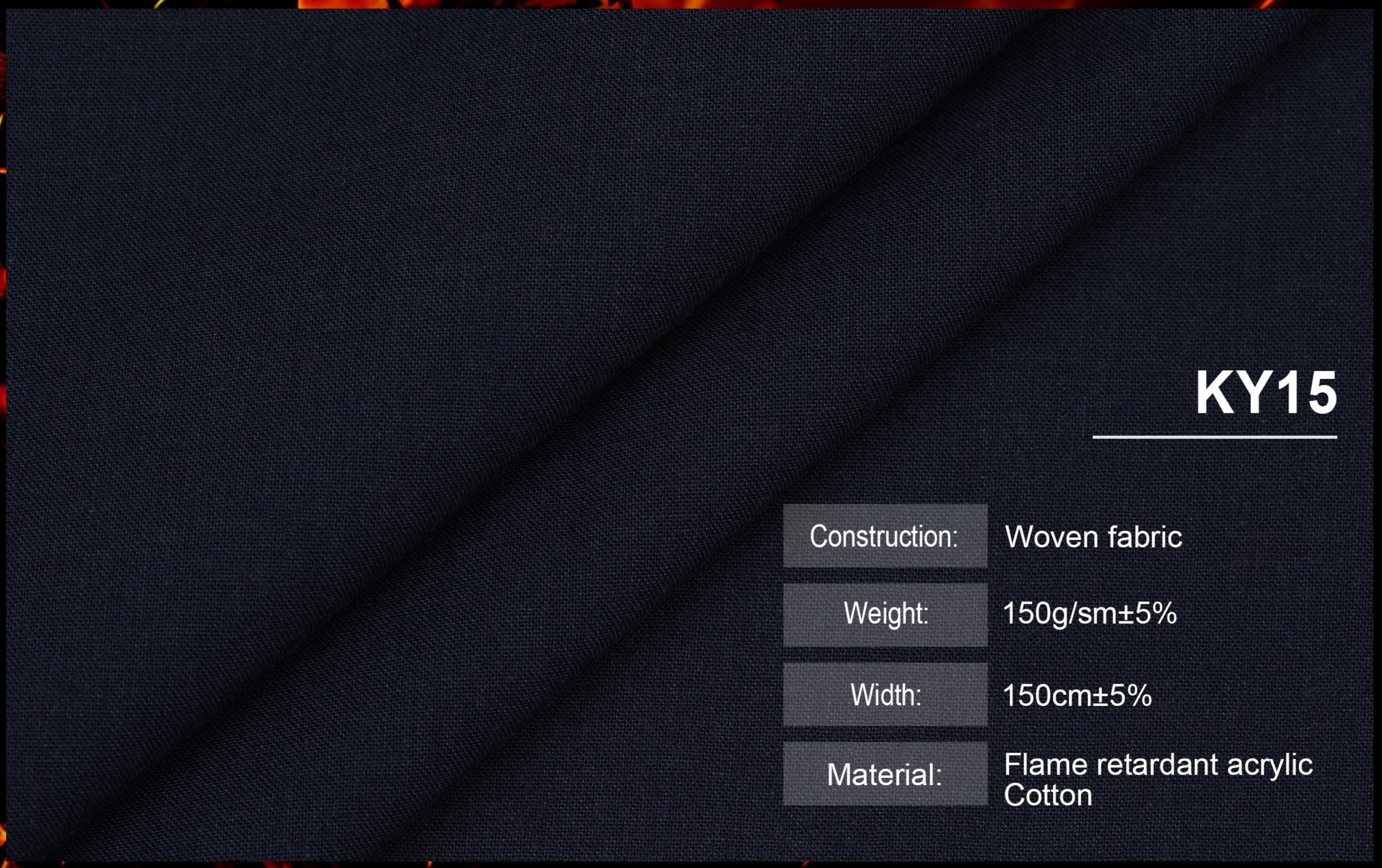
Construction:	Woven fabric
Weight:	220g/sm±5%
Width:	150cm±5%
Material:	Meta-aramid/Acrylic

KEYSTONE
TECHNOLOGY OF PROTECTION



FR06

Construction:	Woven fabric
Weight:	120g/sm±5%
Width:	150cm±5%
Material:	Flame retardant viscose



KY15

Construction:	Woven fabric
Weight:	150g/sm±5%
Width:	150cm±5%
Material:	Flame retardant acrylic Cotton

KEYSTONE
TECHNOLOGY OF PROTECTION

KY21

Construction:	Woven fabric
Weight:	350g/sm±5%
Width:	150cm±5%
Material:	FR viscose/FR nylon Dope dyeing aramid