

Inherent flame resistant

Protection with comfort

Proven FR protection

Durable water repellent

Protection against hazardous conditions

RELIABLE, DURABLE AND COMFORTABLE PROTECTION

Standards we meet



EN ISO 11612



EN ISO 11611



EN 1149-5



EN 13034



EN ISO 20471



NFPA 70E



NFPA 2112



SUNNY SPECIAL DYEING & FINISHING CO., LTD.
www.sunnytex.com.tw

Chemical Splash Protection

Workers in the chemical, petrochemical industries are exposed to hazardous chemicals as well as the risk of fire. Accidental splash of liquid chemicals can cause injury of unexposed human skin when it penetrates through the fabric.

Sunny Special integrates the advantages of post treatment and high performance fabric to create new breed FR fabrics with Durable Water Repellence (DWR) function. It can offer additional liquid chemicals and molten iron splash protection in addition to flash fire and electric arc flash.



Chemical Resistant



Water Repellent



Lightweight

Article no.		AT013QZ	AP002QZ	AT004BZ	AD015QZ
Content		Modacrylic OPF Para-aramid Twill	Meta-aramid: 93% Para-aramid: 5% Anti-static: 2% Plain	OPF: 70% Para-aramid: 30% Twill	Meta-aramid: 75% Para-aramid: 23% Anti-static: 2% Dobby
Weight (g/sm +-5%)		232	160	260	225
Finish		P/D+DWR	P/D+DWR	DWR	P/D+DWR
EN ISO 11612 Protective clothing-- against heat and flame	A1 Limited flame spread -Surface ignition	PASS	PASS	PASS	PASS
	A2 Limited flame spread -Edge ignition	PASS	PASS	PASS	PASS
	B Protection against convective heat	B1	B1	B1	B1
	C Protection against radiant heat	C1	C1	C1	C1
	E Protection against molten iron heat	E2			
	F Protection against contact heat	F1		F1	F1
EN ISO 11611 Protective clothing-- welding and allied processes		CLASS1		CLASS1	
ASTM F1930 Manikin test		PASS			
ASTM F1959 Arc thermal performance value (cal/cm2)		8.0			
EN ISO 13034 Protection against liquid chemicals		PASS	PASS		PASS
AATCC 22 Water repellency: spray test		100%/Inital 80%/10W (60°C) 70%/20W (60°C)	100%/Inital 80%/20W (60°C)	100%/Inital 90%/5W (60°C)	100%/Inital 90%/5W (60°C)
EN 1149-5 Protection clothing with electrostatic properties			PASS		
NFPA70E PPE RATING		category2			



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Remarkable Electric Arc Protection

When it comes to industrial safety, we always need commitments. Without sacrificing safety and comfort, Sunny FR fabrics provide multiple protection against electric arc flash, flash fire and other hazards from welding and allied process that meet NFPA 70E HRC 2, NFPA 2112, EN ISO 11611, EN ISO 11612.

By adopting various types fibers, we can offer the excellent and cost effective approach to against violent heat and flame. Our FR fabrics will protect the worker from the thermal hazards associated with electric arc, flash fire incidents and minimize skin burns. The fabric will provide thermal insulation between the body and heat source. It will not ignite, melt, or break open.



Inherent
Flame Resistant



Arc Flash
Protection
HRC2



Lightweight

Article no.		AT010AZ	AT015AZ	AD008AZ	AD009AZ
Content		OPF FR Rayon Para-aramid Twill	OPF FR Rayon Para-aramid Anti-static Twill	OPF FR Rayon Para-aramid Dobby	OPF FR Rayon Para-aramid Dobby
Weight (g/sm +-5%)		180	190	202	225
Finish		P/D	P/D	P/D	P/D
EN ISO 11612 Protective clothing-- against heat and flame	A1 Limited flame spread -Surface ignition	PASS	PASS	PASS	PASS
	A2 Limited flame spread -Edge ignition	PASS	PASS	PASS	PASS
	B Protection against convective heat	B1	B1	B1	B1
	C Protection against radiant heat	C1	C1	C1	C1
	F Protection against contact heat	F1	F1	F1	F1
EN ISO 11611 Protective clothing-- welding and allied processes				CLASS1	CLASS1
ASTM F2700 Thermal protective performance(cal/cm2)	contact	10.6	8.25	9.5	11.0
	spaced	15.8	14.25	15.3	17.8
ASTM F1930 Manikin test		<15%	<10%	<10%	<10%
ASTM F1959 Arc thermal performance value (cal/cm2)		8.4	8.4	9.6	10.0
NFPA70E PPE RATING		category2	category2	category2	category2



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EN ISO 11612



EN ISO 11611



EN 1149-5



EN 13034



EN ISO 20471



NFPA 70E



NFPA 2112