GARO









Area of use*



Technical features

High visibility vest.

Material: 100% polyester, 120 gsm.
3 outer pockets. Badge holder.
Zip fastening. Retro-ref ective tapes.
Colour: orange.
Sizes: S to 4XL.
Packaging: carton of 50 pieces.
Subpackaging: individual polybag.



Advantages

- > Light thanks to the material (polyester).
- > Badge holder.
- > Better visibility thanks to retro-reflective tapes.
- > Quality and safety of materials with OEKO-TEX® certification.
- > Quick adjustment thanks to the zip fastening.



Certification

This product complies with European Regulation (EU) 2016/425 on Personal Protective Equipment (PPE). Category II. Issued by AITEX, notified body n°0161.



Download the EU declaration of conformity on http://docs.singer.fr



(*) Example of use given as a guide only. The end user must check whether the product is suitable or not for the intended use. Before any use, read carefully the instructions enclosed with the product. **Edition CL 28/02/2023** - © **Singer**® **Safety**.

EN 14058 - AGAINST COOL ENVIRONMENTS

A B C D	A	А	Thermal resistance. Class 1 to 4 (4 being the best).
	A B	В	Air permeability. Class 1 to 3 (3 being the best).
	С	С	Resulting thermal insulation. Optional test.
	D	D	Resistance to water penetration. Optional test.

EN 343 - AGAINST BAD WEATHER		
A B R	A	Resistance to water penetration. Class 1 to 4 (class 4 being the best).
	В	Evaporative resistance. Class 1 to 4 (class 4 being the best).
	R	Controlled under a rain simulator (optional). Class R.

EN ISO 11611 - WELDING AND ALLIED PROCESSES

	Class 1	Against minor risks: Less projections and a weak radiant heat.
	Class 2	Against important risks: More projections and a more important radiant heat.
	A1 or A2	Test method used for spreading of the flame, in conformity with the standard ISO 15024/2000.

EN ISO 11612 - PROTECTION AGAINST HEAT AND FLAM

	A1 and/or A2	Limited flame spread.
	B1 to B3	Convective heat.
0	C1 to C4	Radiant heat.
	D1 to D3	Molten aluminium splash.
	E1 to E3	Molten iron splash.
	F1 to F3	Contact heat.

This standard imposes a number of requirements in terms of product design (for exemple: the flap of the outer pockets must be larger than the pocket ...). Each garment must bear the code letters A1 and / or A2 plus at least another code letter.

EN ISO 14116 - LIMITED FLAME SPREAD

A/BC/D	A	Index 1	Limited flame spread / Absence of burning debris / Residual glow.
		Index 2	Limited flame spread / Absence of burning debris / Residual glow / No hole formations.
		Index 3	Limited flame spread / Absence of burning debris / Residual glow / No hole formations / Limited persistence of flame.
	В	-	Number of washes.
	С	Н	Home washing.
		I	Industrial washing.
		С	Chemical washing.
	D	-	Washing temperature.

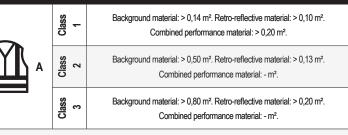
If the materials can not be washed: BC/D = 0/0. The pictogram (see above) can be used only if the product has been tested to another standard of flame protection.

EN 1149-5 - ELECTROSTATIC PROPERTIE

Electrostatic properties, part 5.

Material performance and design requirements.

EN ISO 20471 - HIGH VISIBILITY



The coefficient of retro-reflection of the retro-reflective material must be class 2 to comply with EN ISO 20471 (class 1 of previous EN 471 standard has been cancelled). «X» indicates the class of the garment according to the compulsory minimum area...

EN 14404 - KNEE PROTECTION			
TYPE X	Type 1	Protective portable knee pads.	
	Type 2	Knee pads associated with clothing.	
	Туре 3	Carpet for knees.	
	Type 4	Kneeling systems.	
	Level 0	Flat floors, no resistance to penetration required.	
	Level 1	Flat floors, resistance to penetration of 100N.	
	Level 2	Flat or irregular surfaces, resistance to penetration of 100N.	
	Level 3	Flat or irregular surfaces under difficult conditions, resistance to penetration of 250N.	

EN 61482 - THERMAL HAZARDS OF AN ELECTRICAL ARC

his	APC 1	Tested with an electrical arc of 4 000 amperes
	APC 2	Tested with an electrical arc of 7 000 amperes

Also, for each class, are checked: - Absence of flame spread.

- Absence of heat transfer that can burn the user to the 2nd degree.

- Proper functioning of the EPI closure systems after the tests.

EN 943, EN 14605, EN ISO 13982, EN 13034 AGAINST CHEMICALS

Type X	Type 1	Gaz tight.
	Type 2	Non gaz tight.
	Туре 3	Liquid tight connections.
	Type 4	Spray-tight connections.
	Туре 5	Protection to the full body against airborne solid particulates.
	Туре 6	Limited protection against liquid chemicals.

EN 14126 - AGAINST INFECTIVE AGENTS



Performance requirements and tests methods for protective clothing against infective agents.

EN 1073-2 - AGAINST RADIOACTIVE CONTAMINATION



Requirements and test methods for non-ventilated protective clothing against particulate radioactive contamination.