

sofamel



Product Technical Specifications

Mod. SGM

Dielectric composite gloves

Functionality

Composite insulated gloves provide electrical, mechanical and arc-flash protection, and as such do not need to be combined with any other kind of glove.

Product Features

The range of Composite gloves is made with a unique formulation rubber that provides extreme flexibility. It combines mechanical resistance and comfort, together with a high level of electrical protection.

Protection against electric arc: the material of the glove offers excellent characteristics in case of electric arc short circuit.

Mechanical and Thermal Features

Average tensile strength: ≥ 16 MPa

Alargamiento medio a la rotura: $\geq 600\%$

Average elongation at break: $\leq 15\%$

Complementary test and performance levels

to be achieved are as follows:

Resistance to penetration: >60 N

Tearing resistance to: >25 N

Resistance to abrasion: $\geq 0,05$ mg/t

Resistance to cutting: >2.5

Resistance to low temperature:

Conditioning of gloves for 1 hour at $-25\pm 3^\circ\text{C}$.

Flame-retardant test:

Application of a flame for 10 seconds at a fingertip.

Operating temperature between: -40°C and $+55^\circ\text{C}$.

Storage temperature between: 10°C and 35°C .



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Specifications / Technical Data

Ref.	Class	Thickness (mm)	Working Voltage (V) max.	Proof Test Voltage (V) max.	ATPV (cal/cm ²) ASTM F2675	IEC 61482-1-2
SGM-25 T9 SGM-25 T10	00	1.8	500 V AC	2.500 V AC	26,3 cal/cm ²	Class 2 (0,5s – 7 kA)
SGM-50 T9 SGM-50 T10	0	2.3	1.000 V AC	5.000 V AC	71,6 cal/cm ²	
SGM-10 T9 SGM-10 T10	1	3.1 (long composite)	7.500 V AC	10.000 V AC	42,2 cal/cm ²	
SGM-20 T9 SGM-20 T10	2	4.2 (long composite)	17.000 V AC	20.000 V AC	74,5 cal/cm ²	

Ref.	Size	Length (mm)	Color	Categories	Outside Finishing	Inside Finishing
SGM-25 T9 SGM-25 T10	9 10	360	External: red Internal: black	RC	Grip on palm and fingers	Chlorinated easier donning and doffing
SGM-50 T9 SGM-50 T10	9 10					
SGM-10 T9 SGM-10 T10	9 10					
SGM-20 T9 SGM-20 T10	9 10					
		410			Grip on fingers	Flocked: more comfort

Meaning of letters in 'Categories': A: Acid / Z: Ozone / H: Oil / C: Very low temperature / R: A+Z+H resistance

Certified

According to the Standards:

IEC 60903:2014

UNE-EN 60903:2003

IEC 61482-1-2

ASTM F2675

PPE Category III (Directive 89/686/EEC)

CE Marked

Datos sujetos a cambios © 2017 Sofamel SLU
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Versión: R2-7.2 COM01 Las especificaciones están sujetas a cambios sin previo aviso.

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