

Mod. SGM

Dielectric composite gloves and arc flash



The new dielectric composite gloves allow working in total safety without leather overgloves.

Innovation in the used raw material gives the gloves suppleness despite the required thickness to protect against the mechanical hazards. Furthermore, the composition of the outer coated provides gloves with an exceptional grip even in wet conditions.

According to EN 60903 and IEC 60903 Standards.



SPECIFICATIONS / TECHNICAL DATA

Code	Ref.	Class	Size	Length (mm)	Categories	Working Voltage (V) max.	Proof test Voltage (V) max.	Withstand Voltage (V) max.
531110	SGM-25 T9	00	9	360	RC	500 V AC	2.500 V AC	5.000 V AC
531120	SGM-25 T10		10					
531150	SGM-50 T9	0	9	360	RC	1.000 V AC	5.000 V AC	10.000 V AC
531160	SGM-50 T10		10					
531190	SGM-10 T9	1	9	410	RC	7.500 V AC	10.000 V AC	20.000 V AC
531200	SGM-10 T10		10					
531230	SGM-20 T9	2	9	410	RC	17.000 V AC	20.000 V AC	30.000 V AC
531240	SGM-20 T10		10					

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

Code	Ref.	Class	ARC FLASH TESTED	ARC FLASH RATED	IMPORTANT FEATURES		Color
531110	SGM-25 T9	00	Box test 7kA/30cm	ATPV 60,3 Cal/cm ²	Grip finish on palm and fingers	Chlorinated finishing inside: easier donning and doffing	Outside orange and inside beige
531120	SGM-25 T10						
531150	SGM-50 T9	0	Box test 7kA/30cm and 4kA/15cm	ATPV 61,4 Cal/cm ²	Grip finish on palm and fingers	Chlorinated finishing inside: easier donning and doffing	Outside orange and inside beige
531160	SGM-50 T10						
531190	SGM-10 T9	1	*	*	Grip finish on fingers	Flocked	Outside orange and inside beige
531200	SGM-10 T10						
531230	SGM-20 T9	2	*	*	Grip finish on fingers	Flocked	Outside orange and inside beige
531240	SGM-20 T10						

*Not applicable

MECHANICAL AND THERMAL REQUIREMENTS

- Average tensile strength: ≥ 16 MPa
- Average elongation at break: $\geq 600\%$
- Tension set: $\leq 15\%$

Complementary test and performance levels to be achieved are as follows:

- Resistance to cutting: > 2.5 (equivalent to level 2 according to EN 388)

- Resistance to abrasion: $\geq 0,05$ mg/t
- Tearing resistance to: > 25 N (equivalent to level 2 according to EN 388)
- Resistance to penetration: > 60 N (equivalent to level 2 according to EN 388)
- Resistance to low temperature: conditioning of gloves for 1 hour at $-25 \text{ } ^\circ\text{C}$.
- Flame-retardant test: Application of a flame for 10 seconds at a finger tip.

