

SGM

3 in 1

Protection:
Electrical
Mechanical
Arc-flash



Composite insulating gloves provide electrical, mechanical, and arc-flash protection; therefore, it is not necessary to use them in combination with a separate mechanical protective over-glove. The Composite glove range is made using a natural latex base coated with an outer layer of polychloroprene, combining mechanical resistance and comfort with a high level of electrical protection.

Arc-flash protection: the glove is manufactured from a material that provides a high level of protection against arc flash.



IEC 60903 | IEC 61482-1-2
ASTM F2675/F2675M:23



Red external finish with beige internal finish.

Ref.	Class	Thickness (mm)		Working voltage (V) max.	Proof test voltage (V) max.	Size	Length (mm)	Category		
		max.	medium							
SGM-25 T9	00	< 2.4	1.5	500 V AC	2.500 V AC	7*	360	RC		
SGM-25 T10										
SGM-50 T9										
SGM-50 T10	0	< 2.9	1.6	1.000 V AC	5.000 V AC	8*	410			
SGM-10 T9										
SGM-10 T10										
SGM-20 T9	1	< 3.4	1.8	7.500 V AC	10.000 V AC	9			410	
SGM-20 T10										
SGM-30 T9										
SGM-30 T10	2	< 3.9	2.5	17.000 V AC	20.000 V AC	10				410
SGM-40 T9										
SGM-40 T10										
SGM-30 T9	3	< 4.2	3.1	26.500 V AC	30.000 V AC	11		410		
SGM-30 T10										
SGM-40 T9										
SGM-40 T10	4	< 4.8	3.8	36.000 V AC	40.000 V AC	12*	410			
SGM-40 T11										

Meaning of letters in 'Categories': A: Acid / Z: Ozone / H: Oil / C: Very low temperature / R: A+Z+H resistance.
* For sizes 7, 8 and 12 consult.

MECHANICAL AND THERMAL REQUIREMENTS

- Average tensile strength: ≥ 16 MPa
- Average elongation at break: $\geq 600\%$
- Tension set: $\leq 15\%$
- **Complementary tests and performance levels to be achieved:**
 - Cutting resistance: > 20 mm and 5 N, according to ISO 13997. (equivalent to level 2 according to EN 388)
 - Abrasion resistance: ≥ 0.05 mg/t
 - Tear resistance: > 25 N (equivalent to level 2 according to EN 388)
 - Puncture resistance: > 60 N (equivalent to level 2 according to EN 388)
 - Resistance to very low temperatures: Gloves conditioned for 24 hours at -40 °C \pm 3 °C.
 - Flame-retardant test: Application of a flame for 10 seconds to the fingertip.

Available in sizes:



Recommended size

	9	10	11
Circumference in cm	21	24	26

Measured with the hand closed.