

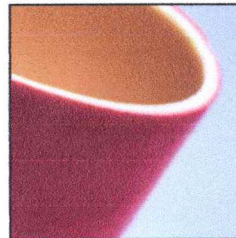
531 SGM



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 with mechanical protection.

The Composite glove range is made using a natural latex base covered by an outer layer of polychloroprene, combining mechanical resistance and comfort with a high level of protection.

Arc flash protection: the glove material has excellent properties in the event of a short circuit in the electric arc.



Outside in red
and beige inside.

CE IEC 60903
IEC 61482-1-2

Available in sizes: 7, 8, 9, 10, 11 and 12

Code	Ref.	Class	Thickness (mm) max.	Working Voltage (V) max.	Proof test Voltage (V) max.	Size	Length (mm)	Category
531110	SGM-25 T9	00	< 2.4	500 V AC	2.500 V AC	7+	360	RC
531120	SGM-25 T10							
531150	SGM-50 T9	0	< 2.9	1.000 V AC	5.000 V AC	8*	360 410	
531160	SGM-50 T10							
531190	SGM-10 T9	1	< 3.4	7.500 V AC	10.000 V AC	9		
531200	SGM-10 T10							
531230	SGM-20 T9	2	< 3.9	17.000 V AC	20.000 V AC	10		
531240	SGM-20 T10							
531270	SGM-30 T9	3	< 4.2	26.500 V AC	30.000 V AC	11		
531280	SGM-30 T10							
531310	SGM-40 T10	4	< 4.8	36.000 V AC	40.000 V AC	12*		
531320	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 test and performance levels to be achieved are as follows:
 - Resistance to cutting: > 20 mm and 5N, according to ISO13997
 - 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 very low temperatures: Conditioning of the gloves for 24 hours at -40 °C. ± 3 °C.
 - Flame-retardant test: Application of a flame for 10 seconds at a finger tip.



RECOMMENDED SIZE	9	10	11
Contour cm (measured with closed hand)	21	24	26

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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 with mechanical protection.

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

Average elongation at break: $\geq 600\%$

Tension set: $\leq 15\%$

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

Resistance to cutting: > 20 mm i 5N,

According to ISO13997

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

Tearing resistance to: > 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:

Conditioning of the gloves for **24 hours at -40 °C. ± 3 °C.**

Flame spread test: **Application of a flame for 10 seconds to the fingertip.**

AREA
Reliable Supplier
天域洋行

Tel : 852-2180 9681
Fax : 852-3909 4691
E-mail : info@area-sales.com
Website : www.area-sales.com


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Specifications / Technical Data

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531110	SGM-25 T9	00	< 2.4	500 V AC	2.500 V AC	7"	360	RC
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531280	SGM-30 T10							
531310	SGM-40 T10	4	< 4.8	36.000 V AC	40.000 V AC	12"		
531320	SGM-40 T11							
							410	

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: Live working - Electrical insulating gloves

IEC 61482-1-2: Live working - Protective clothing against the thermal hazards of an electric arc - Part

1-2: Test methods - Method 2: Determination of arc protection class of material and clothing by using a constrained and directed arc (box test).

PPE Category III (UE 2016/425): Imminent application of the new Regulation (EU) 2016/425 on Personal Protective Equipment (PPE).

CE Marked

EN 60903:2003: Live working - Gloves of insulating material (In process)

