

# DIELECTRIC GLOVES



## 530 SG



The natural latex base has excellent dielectric properties. The thicker the glove, the greater the electrical resistance. The ergonomic design provides comfort and a smoother feel, and allows the glove to be put on and taken off very easily.

Insulated gloves are one of the most important pieces of PPE for working in the electrical sector. They are the first line of defence for contact with any live component or cable.

### USE:

Electrical production, transport, transformation and distribution, railways, telecommunications, construction, maintenance in industry, solar panels, hybrid car batteries, etc.

### RECOMMENDATIONS:

Latex insulated gloves are recommended, together with a suitable leather overglove, to provide mechanical protection against abrasions, cuts, tears and perforations.

The natural latex glove is available in beige.



CE IEC 60903  
EN 60903

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

Code	Ref.	Class	Size	Length (mm)	Categories	Working Voltage (V) max.	Proof test Voltage (V) max.	Withstand Voltage (V) max.
530110	SG-25 T9	00	7*	360	AZC	500 V AC	2.500 V AC	5.000 V AC
530120	SG-25 T10							
530150	SG-50 T9	0	8*	360 410 - 460	AZC	1.000 V AC	5.000 V AC	10.000 V AC
530160	SG-50 T10							
530190	SG-10 T9	1	9	360	RC	7.500 V AC	10.000 V AC	20.000 V AC
530200	SG-10 T10							
530230	SG-20 T9	2	10	360	RC	17.000 V AC	20.000 V AC	30.000 V AC
530240	SG-20 T10							
530270	SG-30 T9	3	11	360	RC	26.500 V AC	30.000 V AC	40.000 V AC
530280	SG-30 T10							
530320	SG-40 T10	4	12*	410	RC	36.000 V AC	40.000 V AC	50.000 V AC
530330	SG-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:  $\geq 16$  MPa
- Average elongation at break:  $\geq 600\%$
- Puncture resistance:  $\geq 18$  N/mm
- Tension set:  $\leq 15\%$
- 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 finger tip.



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

# COMPOSITE INSULATED GLOVES



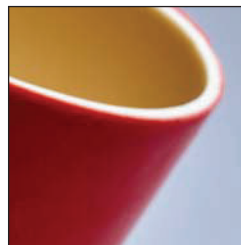
### 531 SGM



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.



CE IEC 60903  
IEC 61482-1-2

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

Outside in red and beige inside.

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	
531160	SGM-50 T10							
531190	SGM-10 T9	1	< 3.4	7.500 V AC	10.000 V AC	9	410	
531200	SGM-10 T10							
531230	SGM-20 T9	2	< 3.9	17.000 V AC	20.000 V AC	10	410	
531240	SGM-20 T10							
531270	SGM-30 T9	3	< 4.2	26.500 V AC	30.000 V AC	11	410	
531280	SGM-30 T10							
531310	SGM-40 T10	4	< 4.8	36.000 V AC	40.000 V AC	12*	410	
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:  $\geq 16$  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 (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  $-25 \pm 3^\circ\text{C}$ .
  - 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




## 539 SG

Leather overgloves must be worn over dielectric gloves to protect against mechanical risks as well as against possible electric arc risks. These leather cowhide gloves with webbed thumbs have a 10 cm cuff with a retightening velcro strap on the back of the hand.

The cowhide leather is treated with silicone to increase its waterproof characteristics.

According to EN 388 standard.

Code	Ref.	EN 388	En 420	Length (mm)	CROSS-REFERENCE UTILIZATION WITH DIELECTRIC GLOVES			
					Dielectric gloves class			
					00 and 0	1 and 2	3	4
540113	SG-B	 <b>Levels of mechanical resistance:</b> Abrasion: 2 Blade cut: 1 Tear: 2 Puncture: 2	<b>Levels of safety, comfort and skill:</b>  <b>LEVEL 5</b>	310	●			
540114	SG-C			320	●			
540115	SG-D			330		●		
540116	SG-E			340		●	●	
540117	SG-F			400				●

CE EN 388

### Fire-resistant gloves



## 535 SG-37

Gloves made of NOMEX fiber with fire-resistant properties. They are used under dielectric gloves with the aim of protecting against a possible electric arc.

According to EN 407 standard.

Code	Ref.
535100	SG-37

CE EN 407