

SAFETY TALK

Electrical Insulating Gloves



Electrical Insulating Gloves protect qualified electrical workers from contacting electrical current. For insulating gloves to be effective they must be stamped, tested, and inspected. Care must also be taken to ensure the correct type and class gloves are selected.

Testing Gloves

Electrical gloves must be tested prior to being placed into service. New gloves must be tested before the first issue, every six months (or more often if the insulating value is suspect), after repair, or after use without protectors (outer gloves). After testing, gloves may put into service during the next twelve months. However, regardless of the date placed in service the gloves must be taken out of service and retested within 12 months of the previous test date. All qualified workers should understand and implement these requirements. Gloves must be sent to an accredited testing laboratory for testing.

Date Stamps and Tracking

Electrical insulating gloves are marked with date stamps or codes that indicate initial testing. Gloves are identified and testing is tracked by the unique ID Label marked on each glove. The tracking records should identify the ownership of the gloves and detailed itemized testing reports including the glove identification, test date, voltage tested, and testing lab.

Inspecting Gloves

Gloves like other PPE must be maintained in a safe, reliable condition. Gloves should be inspected before each use for tears, holes, ozone cuts, and other defects. For example, chemical contamination from petroleum products causes swelling in the glove. Gloves with any defects should be removed from service, cleaned, and retested.

Air Testing

Air Testing of Gloves should be performed along with pre-use inspections. Tests may be performed manually or using a powered inflator. Test vary based on the Type of glove and must be performed in accordance with the ASTM F496 standard.

Glove Selection

The selection of electrical insulating gloves should be based on level of voltage and ozone protection needed. Except under specified conditions, OSHA requires that leather protectors be used along with electrical insulating gloves.

Class of Equipment	Maximum Use Voltage (AC)	Proof Tested (VAC)	Proof Tested (VDC)
00	500	2,500	10,000
0	1,000	5,000	20,000
1	7,500	10,000	40,000
2	17,000	20,000	50,000
3	26,500	30,000	60,000
4	36,000	40,000	70,000

Type I - Non-Resistant to Ozone
 Type II - Resistant to Ozone

DISCUSSION QUESTION

Describe how your gloves are air tested?



MEETING / TRAINING

Attendance Roster

COMPANY: _____

_____ SAFETY MEETING

JOB/DEPT: _____

_____ SAFETY TRAINING

DATE: ___/___/___

TIME: _____

TOPICS ADDRESSED: _____

EMPLOYEE'S SIGNATURES:

_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____

EMPLOYEE SUGGESTIONS AND RECOMMENDATIONS: _____

ACTION TAKEN: _____

Supervisor's Signature

___/___/___
Date

Safety Coordinator's Signature

___/___/___
Date