



## FIRE & HEAT RESISTANT SAFETY GLOVES TECHNICAL DATA & USER GUIDE

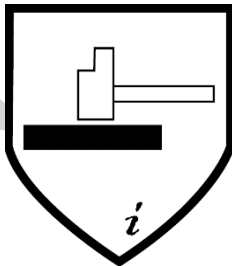
Our products (gloves, aprons, leggings, sleeves) are manufactured according to EU standards and under all the rules and directives of the 89/686 EEC of the European Union. The products are designed to protect users from fire, high temperatures and from a limited range of mechanical hazards as well.

Our products are highly recommended for the smelting, investment casting and aluminum production as well as heat treating, forging and welding industries. Due to their toughness, durability and excellent performance our gloves find uses in a multitude of applications from heavy industry to domestic use.

Product Range:

- |             |                    |                |
|-------------|--------------------|----------------|
| 1. Gloves.  | Art Nr 01-0453/30. | Length : 30cm. |
| 2. Gloves.  | Art Nr 01-0453/38. | Length : 38cm. |
| 3. Mittens. | Art Nr 01-04531/30 | Length : 30cm  |
| 4. Mittens. | Art Nr 01-04531/38 | Length : 38cm  |

Mechanical Hazard



Performance Level\*

4	5	4	4
(1)	(2)	(3)	(4)

Thermal/fire Hazard



Performance Level\*

4	3	X	X	4	X
(5)	(6)	(7)	(8)	(9)	(10)

\* Range 1 to 4 (4 is the highest level)

\* For resistance to blade cuts the highest level is 5.

### TEST RESULTS:

#### 1. Resistance in Abrasion/friction.

**Level of Performance 4. Excellent**

\* Comment: The material is not harmed in 8000 cycles.

#### 2. Resistance to Blade cuts. Method EN 388:94.

**Level of Performance 5. Excellent**

\* Comment: The blade was not able to break through all 3 layers of the fabric, in 300 test cycles (Index >20).

#### 3. Resistance to Tear. Method EN 388:94

**Level of Performance 4. Excellent**

\* Comment: A force of over 521N is necessary in order to shear and cut the material

**4. Resistance to penetration.** **Level of Performance 4. Excellent**

\* Comment: A force of over 215N is necessary in order to puncture and penetrate the material

**5. Resistance to burn.** **Level of Performance 4. Excellent**

\* Comment: Exposing in a flame for 15 sec the material is capable of resisting the flame for 1 sec.

**6. Contact temperature of 3500 & 5000 C.** **Level of Performance 3. Very Good**

\* Comment: Contacting a surface with 350°C temperature for 19 sec, the inner temperature of the glove does not exceed 10°C.

**7. Heat transmission via convection.**

NOT REQUIRED. NOT CHECKED X

**8. Heat transmission via radiation.**

NOT REQUIRED. NOT CHECKED X

**9. Resistance to small droplets of molten metal.** **Level of Performance 4. Excellent**

\* Comment: A quantity of over 40 droplets is needed to increase the inner temperature above 40°C.

**10. Resistance to big droplets of molten metal.** NOT REQUIRED. NOT CHECKED X

CLEANING: NOT TO BE WASHED OR CLEANED UP. PLEASE REPLACE WHEN TOO DIRTY.

STORAGE: AVOID STORING WET. DO NOT STORE IN PLACES WITH HIGH HUMIDITY.

DURATION OF USAGE: DEPENDING ON THE MODE OF USE. IN CASE OF DAMAGE PLEASE REPLACE IMMEDIATELY.

NOTIFICATIONS:

- Avoid usage close to machines with movable parts.
- The products may cause allergies to sensitive and allergic individuals.
- The products are manufactured from Polis Safety Thessaloniki Greece



*The EK test was carried out from ELKEDE- Centre of technology and Planning SA with notification No 0619.*



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