

# TECHNICAL DATA SHEET

## Arco Tig Welding Leather Gauntlet

Style Code: 12L1700

Sizes: 10

### Approved to:

EN 388:2016+A1:2018

EN 407: 2020

EN12477:2001+A1:2005 Type A

EN ISO 21420:2020

### Suitable For:

- Aerospace
- Facility Management
- Automotive
- Manufacturing
- Steel & metals

### Product attributes:

- Welder's gauntlets manufactured from Quality soft leather
- Reinforced palm.
- Resistant to contact, convective and radiant heat
- Resistant to small molten metal splashes
- Length: 350mm



## User

## INFORMATION SHEET

**Glove description**

Arco Tig Welding Leather Gauntlet

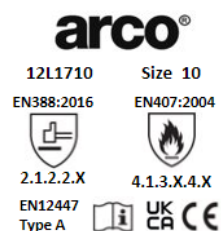
**Approved to:**

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EN12477:2001+A1:2005 Type A

EN ISO 21420:2020

**Product Markings / Performance**

| Test                            | Test Type                       | Performance Level |      |     |     |
|---------------------------------|---------------------------------|-------------------|------|-----|-----|
|                                 |                                 | 1                 | 2    | 3   | 4   |
| A = Burning Behaviour           | After Flame Time (seconds)      | ≤20               | ≤10  | ≤3  | ≤2  |
| A = Burning Behaviour           | After Glow Time (seconds)       | -                 | ≤120 | ≤25 | ≤5  |
| B = Contact Heat                | Contact Temperature (Degrees C) | 100               | 250  | 350 | 500 |
| B = Contact Heat                | Threshold Time (seconds)        | ≥15               | ≥15  | ≥15 | ≥15 |
| C = Convective Heat             | Heat Transfer Index (seconds)   | ≥4                | ≥7   | ≥10 | ≥18 |
| D = Radiant Heat                | Heat Transfer Index (seconds)   | ≥7                | ≥20  | ≥50 | ≥95 |
| E = Small Molten Metal Splashes | Number of Droplets              | ≥10               | ≥15  | ≥25 | ≥35 |
| F = Large Molten Metal Splashes | Molten Iron (grams)             | 30                | 60   | 120 | 200 |

| Test Part                         | Performance Level |      |       |       |    |    |
|-----------------------------------|-------------------|------|-------|-------|----|----|
|                                   | 1                 | 2    | 3     | 4     | 5  |    |
| A = Abrasion resistance (Cycles)  | 100               | 500  | 2,000 | 8,000 |    |    |
| B = Blade cut resistance (Index)  | 1.2               | 2.5  | 5     | 10    | 20 |    |
| C = Tear resistance (Newtons)     | 10                | 25   | 50    | 75    |    |    |
| D = Puncture resistance (Newtons) | 20                | 60   | 100   | 150   |    |    |
|                                   | A                 | B    | C     | D     | E  | F  |
| E = ISO Cut (Newtons)             | 2                 | 5    | 10    | 15    | 22 | 30 |
|                                   | Pass              | Fail |       |       |    |    |
| F = Impact (Newtons)              | P                 |      |       |       |    |    |

**Obsolescence**

When stored properly the product will not suffer changes in the mechanical properties from the date of manufacture.

Service life cannot be specified as it depends on the application and its the responsibility of user to ascertain the suitability of the glove for its intended use.

**Maintenance**

Both new and old gloves should be inspected before wearing to ensure that no damage is present before use. Laundering these gloves is not recommended. If wet allow to dry naturally

**Warning**

Performance levels relate to the palm area of the glove only.

While wearing these gloves please ensure you keep a safe distance away from moving parts of machinery to minimize the risk of entanglement

**Innocuousness**

Whilst every effort is made to ensure the innocuousness of these products, there are certain chemicals used in the manufacturing process which may cause skin irritation to a small percentage of users. In the unlikely event of this happening, the product should not be used and Arco contacted for alternative products.

**Storage and transport**

When not in use, store in a well ventilated area away from extremes of temperature Never place heavy items on top of it. If possible, avoid excessive folding and preferably store it hanging vertically

**Declaration of Conformity**

Declaration of Conformity can be viewed and downloaded from <http://conformity.arco.co.uk>

**For further information**

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