

Dia Rubber Co., Ltd.  
9 Idoi Maebashi, Gunma JAPAN

## Technical Documentation (Information for End Users)

**PRODUCT:** PROTECTIVE GLOVES – 102 series  
**Types:** 102, 102F, 102-55  
**Photos:**



**Technical description(Description of product):**

The five-fingers gloves with lining. General works under super cold environment, or works using oil. Not preventing penetration of solvent.

Type: polyurethane

**Intend to use of product:**

For outdoor work under super cold area, work in industrial freezer; work with hot water in factory, work deal with oil in factory.

**Applications:**

Fishery, Forestry, dairy farming, Construction and Civil Engineering, Cold-storage Warehouse, Machine Maintenance, Snow Removal, Ski, Fishing, Other Wintertime General Work, Leisure Activities

**Used Materials:**

**Type 102 + 102-55**

Palm: polyurethane    Back: polyurethane    Cuff: Boa

Lining: 100% cotton, Inner glove: napped acrylic

**Type 102F**

Palm: polyurethane    Back: polyurethane    Cuff: napped acrylic

Lining: 100% cotton, Inner glove: napped acrylic

**Classification:** PPE of III. category

**RELEVANT REGULATIONS AND STANDARDS:**

PPE-Directive 89/686/EEC + amendments

- Annex 2 Part 1 General requirements applicable to all personal protective equipment

- Annex 2 Part 2 Additional requirements common to all personal protective equipment

Article 2.2 Personal protective equipment enclosing the protected parts of the body

Article 2.4 Personal protective equipment subject to ageing

Article 2.12 Marking of personal protective equipment relating to health and safety

Article 2.14 Personal protective equipment protecting against several simultaneously occurring hazards („multi-risk“ personal protective equipment)

- Annex 3 Additional requirements specific to particular risks

Article 3.6 Protection against heat and/or fire

Article 3.7 Protection against cold

Article 3.10 Protection against dangerous substances and infective agents

EN 420 Protective gloves – General requirements and test methods

EN 388 Protective gloves against mechanical risks

EN 407 Protective gloves against thermal risks (heat and/or fire)

EN 511 Protective gloves against cold

**LEVELS OF PROTECTION:**






| <b>102 + 102-55 types</b> | <b>Test performed</b> | <b>Performance Level</b> |
|---------------------------|-----------------------|--------------------------|
| <b>EN 420</b>             | Dexterity             | 4                        |
| <b>EN 388</b>             | Abrasion resistance   | 4                        |
|                           | Tear resistance       | 2                        |
| <b>EN 407</b>             | Contact heat          | 2                        |
| <b>EN 511</b>             | Water penetration     | 1                        |
|                           | Convective cold       | 1                        |
|                           | Contact cold          | 2                        |

| <b>102F type</b> | <b>Test performed</b> | <b>Performance Level</b> |
|------------------|-----------------------|--------------------------|
| <b>EN 420</b>    | Dexterity             | 4                        |
| <b>EN 388</b>    | Abrasion resistance   | 4                        |
|                  | Tear resistance       | 2                        |
| <b>EN 407</b>    | Contact heat          | 2                        |
| <b>EN 511</b>    | Water penetration     | 1                        |
|                  | Contact cold          | 2                        |






**MARKING:**

- identification of manufacturer or his authorized representative
- commercial name or code of gloves
- size designation
- standards: EN 420, EN 388, EN 511, EN 407
- CE mark
- pictograms:

**102 + 102-55 Types**

| EN 388  |   |   |   | EN 511  |   |   | EN 407  |   |   |   |   |   |   |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
|          |   |   |   |  |   |   |  |   |   |   |   |   |  |
| 4   | X | 2 | X | 1   | 2 | 1 | X   | 2 | X | X | X | X |   |
| <br>1023 |   |   |   |   |   |   |   |   |   |   |   |   |   |

**102F Type**

| EN 388  |   |   |   | EN 511  |   |   | EN 407  |   |   |   |   |   |   |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
|          |   |   |   |  |   |   |  |   |   |   |   |   |  |
| 4   | X | 2 | X | X   | 2 | 1 | X   | 2 | X | X | X | X |   |
| <br>1023 |   |   |   |   |   |   |   |   |   |   |   |   |   |

**NOTICE FOR USERS:****Danger:**

1. Please keep away from fire. There is fear of catching fire.
2. Please do not use for electrical work. There is fear of receiving and electric shock.

**Warning:**

1. Please do not use for handling acid. Alkali, organic solvents and chemicals.
2. Please use within a temperature range from -50 to 40 °C (contact heat up to 250 °C is recommended).
3. Some gasoline has been absorbed in the gloves after gasoline was handled. Please store after good drying.

**Caution:**

1. Careful when you handle something wet, oil, etc. The gloves may be easy to slip.
2. Careful not damage the gloves with something sharp-pointed, edged tools, etc.
3. Not to suitable for cooking.
4. Some paint causes "cratering\*" when the gloves touches a just painting surface. So, please do not touch a painting surface with these gloves.
5. Something oily may sometimes be found on the glove surface. It does not affect properties etc. of gloves at all. You can remove it easily just by washing the surface in water.

*\*cratering: this is a condition in whose surface rejects coating materials.*

**MAINTENANCE:**

Type of cleaning: No recommended way to wash. Usually, wet the surface and wipe off.

**STORING:**

After use, please remove stains oils, gasoline, etc. and dry in the shade.

If the gloves are left in the sun for long time, their deterioration is accelerated. For storage, please keep in an airy place not exposed to direct ray of the sun after good drying (please see item (3) of Warning)

**DISPOSAL:**

In accordance with legislation valid.

**DESCRIPTION OF THE CONTROL AND TEST FACILITIES TO BE USED IN THE MANUFACTURER'S PLANT:**

**ISO9001:2008**

**INFORMATION ABOUT NOTIFIED BODY THAT PROVIDED ASSESSMENT OF CONFORMITY:**

Institute for Testing and Certification, Inc.

Notified Body No. 1023

Tr. Tomáše Bati 299

764 21 Zlín

Czech Republic

**9 Iidoi-machi, Maebashi-shi  
Gunma, Japan on 2012-06-05**

  
Signature and Stamp

