

**Dia Rubber Co., Ltd.  
9 Iidio Maebashi, Gunma  
JAPAN**

## **Technical Documentation** (Information for End Users)

**PRODUCT:** PROTECTIVE GLOVES – H200 series

**Type:** H200, H200-40, H200-55

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

Dailove H200 gloves have a two-layer structure incorporating silicone to the outer layer and insulating materials to the inner layer glove to reduce cold and heat conduction. Skin contact surface is processed with our special technique to reduce dusting.

**Intend to use of product:**

For outdoor work under super cold area, work in industrial freezer; for sort handling objects up to 250 °C. In addition for protection against contact heat, flame, radiant heat and melt-spraying and can be used for protection against liquid chemicals (n-heptane, sodium hydroxide 40 %, sulphuric acid 96%).

**Used Materials:**

Palm: Silicone

Back: Silicone

Lining: synthetic fibre, Inner glove: adiabatic material

**Sizes:** S (length: 270 mm), L (length: 270 mm, 400 mm and 550 mm), LL (length: 280 mm and 400 mm)

**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







EN 374-1 Protective gloves against chemicals and micro-organisms - Part 1: Terminology and performance requirements

**LEVELS OF PROTECTION:**

Dailove H200	Test performed	Performance Level
EN 420	Dexterity	4
EN 388	Abrasion resistance	3
	Cut resistance	1
	Tear resistance	3
	Puncture resistance	2
	EN 407	Burning behaviour
EN 407	Contact heat	2
	Convective heat	4
	Radiant heat	2
	Small splashes of molten metal	4
	Large quantities of molten metal	4
	EN 511	Water penetration
EN 511	Convective cold	1
	Contact cold	2
	EN 374-1	n-heptane (J)
EN 374-1	Sodium hydroxide 40% (K)	6
	Sulphuric acid 96% (L)	6
	According to Annex A EN 374-2	3

**MARKING:**

- identification of manufacturer or his authorized representative
- commercial name or code of gloves (H200 or H200-40 or H200-55)
- size designation
- standards: EN 420, EN 388, EN 407, EN 511, EN 374-1
- pictograms:

EN 388				EN 511			EN 407				EN 374-1				
															
3	1	3	2	1	2	1	3	2	4	2	4	4	J	K	L
															

## NOTICE FOR USERS:

### Danger:

1. Acids and alkalis harm both the surface of the skin as well as penetrate under the skin. It is extremely dangerous if these chemicals get in contact with a person's body. Be sure to always inspect the gloves for any cracks, pinhole or tearing during use of the gloves.
2. If you feel any abnormality in your hand, interrupt the use immediately.
3. Contact with body or utensils with a glove that has been stained acid or alkali when using the glove is dangerous.
4. Do not use the gloves when performing electrical work. There is a risk for electric shock.

### Warning:

1. It is extremely dangerous to use acid and alkali for a longer period of time. Even if there are no defects on the gloves such as cracks, pinholes etc. do not use them for more than eight consecutive hours. (Durability of the gloves will vary depending on storage condition, frequency of use, and usage environment).
2. Do not use the gloves with organic solvents. When using organic solvent, please select a different type of Dailove gloves, a type made for use of organic solvent.
3. These gloves are to be used in industrial environment, do not use them for food or medical care.
4. Please be careful not to scratch the gloves with sharp objects, cutlery etc. If the glove is scratched, there is a danger for penetration of acid or alkali.
5. Use only for work with chemicals J, K, L.
6. Please use within a temperature range from -50 to 250 °C.

### Caution:

1. Surface becomes slippery with liquids on its surface.

### MAINTENANCE:

1. After handling flammable material, keep away from fire. There is a risk for ignition.
2. Do not use the gloves when performing electrical work. There is a risk for electric shock.
3. Type of cleaning: No recommended way to wash. Usually, wet the surface and wipe off.

### STORING:

Following usage, carefully wash and dry avoiding direct sunlight which might accelerates the surface deterioration. For storing, make sure they are dry and are kept in ventilated area without direct sunlight.

### 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 Idoi-machi, Maebashi-shi  
Gunma, Japan on 2012-06-05

  
Signature and Stamp

