

### Glove reference

ScanGourmet

### Available sizes

One size

### Glove description

Heat- and cold-resistant FR silicone mitt. Heat resistant, dishwasher safe (oven) mitt, ideal for handling of hot objects. Temperature range from 340°C/640°F to minus 30 °C (-22°F) (this is lowest temperature which will be tested in this norm) Developed for use in food industry and other industries where handling of hot and cold objects occurs.

THESE MITTS ARE PERSONAL PROTECTIVE EQUIPMENT AND BELONG TO CATEGORY III. They meet the requirements of the Directive 89/686/CEE and Regulation 2016/425: innocuous, comfortable, durable. They have been subjected to a CE-type Examination performed by:

**AITEX N.B 0161**  
**Plaza Emilio Sala 1**  
**03801 Alcoy - Spain**

Annual follow-up inspection, Module C2, conducted by :

**Centexbel, N.B. 0493**  
**Technologiepark 70**  
**B-9052, Zwijnaarde - Belgium**

The declaration of conformity can be obtained through following link:  
[www.scandiagear.com/products/workwear/galley/scangourmet](http://www.scandiagear.com/products/workwear/galley/scangourmet)

### Applicable standards

These mitts meet the requirements of the standard EN 420:2003+A1:2009 "General requirements for work gloves". Obtained level of dexterity: Level 5

Water vapour - Due to the low water vapour transmission and water absorption, the present glove can only be used for a limited amount of time.

They have been designed for the following application:

### APPLICATION

#### EN 388:2016



**3130X**

#### Mechanical hazard NEN - EN 388:2016

This Standard specifies test methods and performance requirements for gloves which offer protection against mechanical hazards of abrasion, blade cut, tear and puncture.

Levels of performance (of which 4/5 is the highest achievable level) :

Abrasion resistance (level1-4) : Level 3

LEVEL 1	LEVEL 2	LEVEL 3	LEVEL 4
100 cycles	500 cycles	2000 cycles	8000 cycles

Blade cut resistance (level 1-5): Level 1

LEVEL 1	LEVEL 2	LEVEL 3	LEVEL 4	LEVEL 5
1,2	2,5	5,0	10,0	20,0

Tear resistance (level 1-4) : Level 3

LEVEL 1	LEVEL 2	LEVEL 3	LEVEL 4
10 N	25 N	50 N	75 N

Puncture resistance (level 1-4) : Level 0

LEVEL 1	LEVEL 2	LEVEL 3	LEVEL 4
20 N	60 N	100 N	150 N

TDM: not tested

LEVEL A	LEVEL B	LEVEL C	LEVEL D	LEVEL E	LEVEL F
2 N	5 N	10 N	15 N	22 N	30 N

#### EN 407



**43424X**

#### Thermal risk - EN 407:2004 (protection against heat & Fire)

Burning behavior in sec. (afterflame/ afterglow) (level 1-4) : Level 4

LEVEL 1	LEVEL 2	LEVEL 3	LEVEL 4
≤ 20 / no	≤ 10 / ≤ 120	≤ 3 / ≤ 25	≤ 2 / ≤ 5

Contact heat in degrees °C (level 1-4) : Level 3

LEVEL 1	LEVEL 2	LEVEL 3	LEVEL 4
100	250	350	500

Convective heat HTI in sec. (level 1-4) : Level 4

LEVEL 1	LEVEL 2	LEVEL 3	LEVEL 4
≥ 4	≥ 7	≥ 10	≥ 18

Radiant heat t24 in sec. (level 1-4) : Level 2

LEVEL 1	LEVEL 2	LEVEL 3	LEVEL 4
≥ 7	≥ 20	≥ 50	≥ 95

Small splashes molten metal, no. drops (level 1-4) : Level 4

LEVEL 1	LEVEL 2	LEVEL 3	LEVEL 4
≥ 10	≥ 15	≥ 25	≥ 35

Large splashes molten metal in grams (level 1-4) : Level X

LEVEL 1	LEVEL 2	LEVEL 3	LEVEL 4
30	60	120	200

#### EN 511:2006



**X21**

#### Cold protection - EN 511:2006

This Standard specifies test methods and performance requirements for gloves which offer protection against cold related hazards.

Resistance to convective cold (Level 1-3)	X
Resistance to contact cold (Level 1-3)	2
Water penetration (Level 1-0) (pass or fail)	1

Note: Due to limited insulative properties these gloves are most suitable for handling of cold objects at an ambient temperature of 0-10°C. Short duration contact up to -30°C.

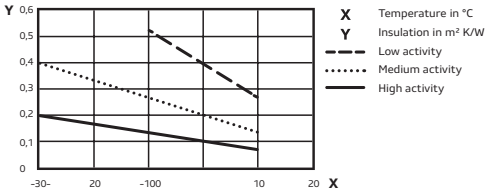
### Special note to selection of gloves for cold protection

Several parameters should be considered in the selection process of a glove that protects against cold, such as those shown in table B.1.

**Table B.1. - Parameters relevant in selection process**

Environment	Environment Atmospheric conditions (relative humidity..) Wind speed
Individual conditions	Health and well-being of the person. Effect of other protective clothing worn by the person.
Occupation	Time of exposure Activity level Dexterity requirements Contact with cold items Contact with wet or dry objects

Studies have established certain correlations between these parameters and the level of thermal insulation required to protect in cold conditions. The table given in Annex B of EN 342:2004 is an example of such data. Figure B.1 shows the thermal insulation level required for three activity levels as a function of ambient air temperature at wind speed below 0,5 m/s (source: Goldman 1994)



**Figure B.1. - Glove insulation requirements at three levels of physical activity**

**Note:** The parameters considered in the study (air velocity etc.) may differ from these of the convective cold test method.

### Appendix 1: American National Standards Gloves in compliance with American National Standard:

- ANSI/ISEA 105-2016 Clause 5.1: Mechanical protection
- ANSI/ISEA 105-2016 Clause 5.4: Heat and Flame protection
- ANSI/ISEA 105-2016 Clause 5.6: Dexterity

### Application

Heat- and cold-resistant silicone mitt. Temperature range from 340°C/640°F to minus 30 °C (-22°F).

### Standards

#### ANSI/ISEA 105 - 2016: American national standard for hand protection selection criteria: Clause 5.1: Mechanical protection

This American standard specifies the classification and testing of hand protection for specific performance properties related to chemical and industrial applications. These specific gloves are designed to offer protection against mechanical hazards. The tests that are selected are therefore: Cut resistance, puncture resistance, abrasion resistance.

#### Obtained levels of performance:

Cut resistance (Level 1-5)	A2
Puncture resistance (Level 1-5)	1
Abrasion resistance (Level 1-6)	4

Where 1 is the lowest and 5/6 the highest.

#### ANSI/ISEA 105-2016: American national standard for hand protection selection criteria: Clause 5.4: Heat and Flame protection

Flame resistance (Level 1-4)	4
Heat degradation resistance (Level 1-4)	4

Where 1 is the lowest and 4 the highest.

#### ANSI/ISEA 105-2016: American national standard for hand protection selection criteria: Clause 5.6: Dexterity

Dexterity (Level 1-5)	5
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Where 1 is the lowest and 5 the highest.

### Protection limit

- Scandia's protection warranty applies only to the risks and hazards mentioned in this document.
- Protection against risks or hazards not mentioned in this document is therefore unwarranted.
- The levels of performance mentioned are only valid for: the palms of the gloves and gloves that are new, unwashed, and in their original condition (i.e., have not been repaired).
- These levels of performance were achieved from tests done according to conditions defined by the applicable standards.
- For gloves that have multiple layers of material, performance levels are guaranteed for the whole glove, not for individual layers.
- To decrease the risk of injury, gloves should not be worn around or when operating machines with moving parts.

### Storage and cleaning

These gloves are suitable for cleaning with damp cloth. Gloves should be stored in their original packaging and away from heat, cold, and humidity. Gloves must also be kept in areas that are clean and well-ventilated.

### Explanation of the symbols

	Do not wash
	Do not bleach
	Do not tumble dry
	Do not iron
	Do not dry clean

### Expiry date / end of service life

The end of the service life depends on the condition of the gloves. An inspection prior to each use is strongly recommended. Replace damaged gloves.

### Disclaimer

Scandia Gear is not liable for damages that result from improper use of these products.