



PRODUCT

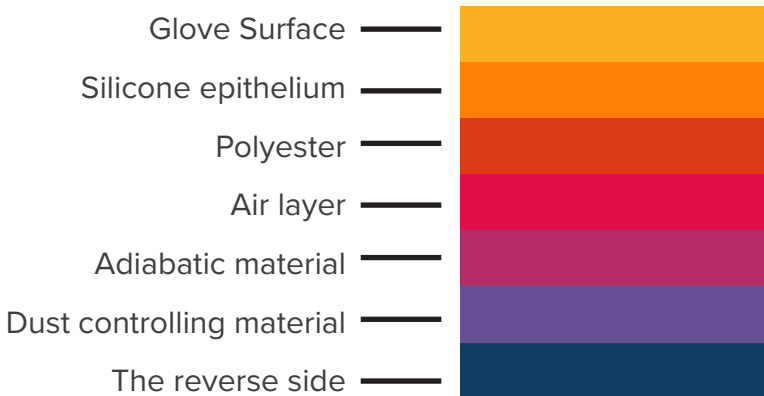
Silicone Heat Resistant Gloves

TECHNICAL DATASHEET

DESCRIPTION

Made from Special Silicone/Polyester mix, these gloves provide heat protection up to 400°C. They are available in three different lengths: 270mm, 400mm and 550mm.

COMPOSITION



FEATURES

- Designed to use in cleanroom and food preparation
- Recommended to be used within -196~200°C (Sustainable up to maximum 400°C)
- Superior elasticity
- Outer waterproof coating to glove
- ISO 4

APPLICATIONS

- Handling food
- Dealing with dry ice
- Dealing with liquid nitrogen
- Working in a Cleanroom
- Working with hot items
- Sterilisation (autoclave)
- Hot water and steam work
- Safety measure

PRODUCT CODE	TYPE	SIZE	LENGTH (mm)	MATERIAL	THICKNESS
602-0324	H200	L	270	Special Silicone/ Polyester	2.95mm (Polymer & Liner)
602-0356	H200-40	L	400		
602-0358	H200-55	L	550		

To request a quotation or for more information, please call **+44 (0)1473 836205**
email info@integritycleanroom.co.uk or visit www.integritycleanroom.co.uk

IMPORTANT: This data sheet and its contents (the "Information") belong to Integrity Cleanroom or are licensed to it. No licence is granted for the use of it other than for information purposes in connection with the products to which it relates. No licence of any intellectual property rights is granted. The Information is subject to change without notice and replaces all data sheets previously supplied. The Information supplied is believed to be accurate but Integrity Cleanroom assumes no responsibility for its accuracy or completeness, any error in or omission from it or for any use made of it. Users of this data sheet should check for themselves the Information and the suitability of the products for their purpose and not make any assumptions based on information included or omitted. Liability for loss or damage resulting from any reliance on the Information or use of it (including liability resulting from negligence or where Integrity Cleanroom was aware of the possibility of such loss or damage arising) is excluded. © 2023 Integrity Cleanroom.

DIMENSIONS

602-0324

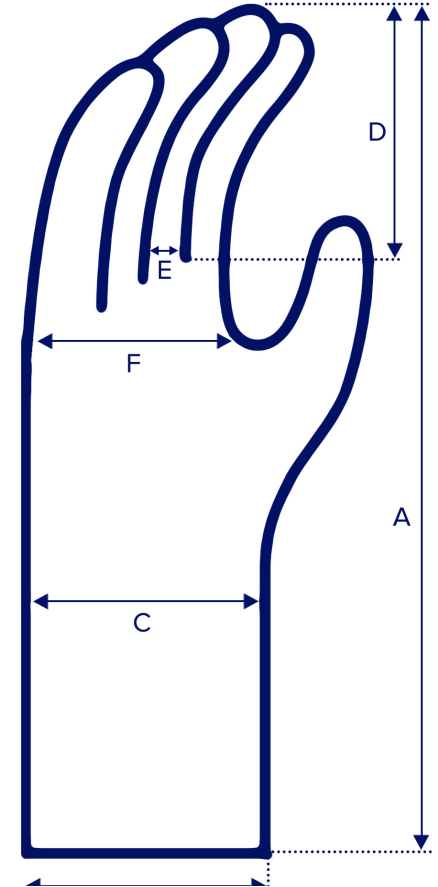
SIZE	A	B	C	D	E	F
S	270	130	115	70	38	111
L	270	137	127	76	43	130
LL	280	139	127	79	50	139

602-0356

SIZE	A	B	C	D	E	F
L	400	215	132	74	45	131
LL	400	214	139	81	54	145

602-0358

SIZE	A	B	C	D	E	F
L	550	231	137	74	42	131



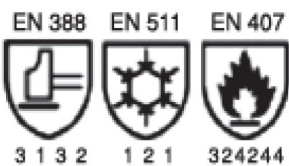
- C is measuring the position of approximately 20cm from the middle finger destination.
- F shows around the palm of the hand.
- E the thickness of the fingers. Near the centre of the finger.
- B, C, E, the dimensions of the F numerical was flattened to the site.
- May vary with the above dimensions for improvement.
- Unit mm.

LENGTH COMPARISONS



270 mm 400 mm 550 mm

REMARK



To request a quotation or for more information, please call **+44 (0)1473 836205**
email info@integritycleanroom.co.uk or visit www.integritycleanroom.co.uk

IMPORTANT: This data sheet and its contents (the "Information") belong to Integrity Cleanroom or are licensed to it. No licence is granted for the use of it other than for information purposes in connection with the products to which it relates. No licence of any intellectual property rights is granted. The Information is subject to change without notice and replaces all data sheets previously supplied. The Information supplied is believed to be accurate but Integrity Cleanroom assumes no responsibility for its accuracy or completeness, any error in or omission from it or for any use made of it. Users of this data sheet should check for themselves the Information and the suitability of the products for their purpose and not make any assumptions based on information included or omitted. Liability for loss or damage resulting from any reliance on the Information or use of it (including liability resulting from negligence or where Integrity Cleanroom was aware of the possibility of such loss or damage arising) is excluded. © 2023 Integrity Cleanroom.

COMBUSTION GAS TEST (JIS K 2541)

TEST ITEM/SAMPLE NAME	FOR HEAT	LOWER LIMIT
Hydrogen fluoride (HF)	passed	0.1
Hydrogen chloride (HCl)	passed	0.1
Hydrogen bromide (HBr)	passed	0.1
Hydrogen cyanide (HCN)	0.012	0.005
Sulfur oxides (SOx) (SO ₂ Conversion)	passed	0.1
Nitrogen oxide (NOx) (NO ₂ Conversion)	4.6	0.5

800 is a test to burn at $\pm 50^{\circ}\text{C}$.

Test request destination : Chemicals Evaluation and Research Institute

Test Date : 16 Oct 2005 (Unit : mg / g)

ANALYTICAL TEST

TEST ITEM	PROTECTION AGAINST COLD	FOR HEAT
Material testing	Limit below	Limit below
Dissolution test	passed	passed
	passed	passed
	passed	passed
	passed	passed
	passed (5ppmbelow)	passed (5ppmbelow)

Food , were tested in accordance with the third of the three rubber equipment or containers and packaging of D of the standard criteria of the additives, etc. (1959 Ministry of Health and Welfare Notification No. 370)

To request a quotation or for more information, please call **+44 (0)1473 836205**
 email info@integritycleanroom.co.uk or visit www.integritycleanroom.co.uk

IMPORTANT: This data sheet and its contents (the "Information") belong to Integrity Cleanroom or are licensed to it. No licence is granted for the use of it other than for information purposes in connection with the products to which it relates. No licence of any intellectual property rights is granted. The Information is subject to change without notice and replaces all data sheets previously supplied. The Information supplied is believed to be accurate but Integrity Cleanroom assumes no responsibility for its accuracy or completeness, any error in or omission from it or for any use made of it. Users of this data sheet should check for themselves the Information and the suitability of the products for their purpose and not make any assumptions based on information included or omitted. Liability for loss or damage resulting from any reliance on the Information or use of it (including liability resulting from negligence or where Integrity Cleanroom was aware of the possibility of such loss or damage arising) is excluded. © 2023 Integrity Cleanroom.

DISSOLUTION TEST

TEST ITEM	FOR HEAT
Bromine ion (Br ⁻)	passed
Calcium (Ca)	passed
Chlorine ion (Cl ⁻)	0.1
Fluorine ion (F ⁻)	passed
Sodium (Na)	0.05
Nitrate ion (NO ₃ ⁻)	passed
Phosphate ion (PO ₄ ³⁻)	passed
Potassium (K)	0.05
Copper (Cu)	passed

Not detected most of the material, it has proven the safety of the gloves .

Test Date : September 28, 2005 (Unit : mg / l)

Test request destination : Chemicals Evaluation and Research Institute

IGNITION POINT TEST (ASTM E 659)

MEASURED TEMPERATURE / SAMPLE NAME	OUTER	INNER
Ignition point (°C)	448	429

Test request destination : Chemicals Evaluation and Research Institute

Test Date : September 20, 2005

To request a quotation or for more information, please call **+44 (0)1473 836205**
 email info@integritycleanroom.co.uk or visit www.integritycleanroom.co.uk

IMPORTANT: This data sheet and its contents (the "Information") belong to Integrity Cleanroom or are licensed to it. No licence is granted for the use of it other than for information purposes in connection with the products to which it relates. No licence of any intellectual property rights is granted. The Information is subject to change without notice and replaces all data sheets previously supplied. The Information supplied is believed to be accurate but Integrity Cleanroom assumes no responsibility for its accuracy or completeness, any error in or omission from it or for any use made of it. Users of this data sheet should check for themselves the Information and the suitability of the products for their purpose and not make any assumptions based on information included or omitted. Liability for loss or damage resulting from any reliance on the Information or use of it (including liability resulting from negligence or where Integrity Cleanroom was aware of the possibility of such loss or damage arising) is excluded. © 2023 Integrity Cleanroom.

BREAKTHROUGH TIME MEASUREMENT TEST(EVOH)

CAS NO.	SOLVENT NAME	CHEMICAL FORMULA	* ASTM BREAKTHROUGH TIME	INDICATION
7-64-1	※ acetone	CH ₃ COCH ₃	8 hours undetected	◎
27522	※ acetonitrile	CH ₃ CN	8 hours undetected	◎
141-78-6	※ Ethyl acetate	CH ₃ COOC ₂ H ₅	8 hours undetected	◎
109-89-7	※ diethylamine	(C ₂ H ₅) ₂ NH	8 hours undetected	◎
27639	※ dichloromethane	CH ₂ Cl ₂	8 hours undetected	◎
25174	※ dimethylformamide (DMF)	(CH ₃) ₂ NCHO	8 hours undetected	◎
127-18-4	※ tetrachlorethylene	CCl ₂ =CCl ₂	8 hours undetected	◎
109-99-9	※ tetrahydrofuran (THF)	C ₄ H ₈ O	8 hours undetected	◎
108-88-3	※ toluene	C ₆ H ₅ CH ₃	8 hours undetected	◎
98-95-3	※ nitrobenzene	C ₆ H ₅ NO ₂	8 hours undetected	◎
75-15-0	※ carbon disulfide	CS ₂	8 hours undetected	◎
110-54-3	※ n- hexane	CH ₃ (CH ₂) ₄ CH ₃	8 hours undetected	◎
67-56-1	※ methanol	CH ₃ OH	315 minutes	○
7664-93-9	※ 93.1% sulfuric acid solution	H ₂ SO ₄	8 hours undetected	◎
1310-73-2	※ aqueous solution of sodium hydroxide 50%	NaOH	8 hours undetected	◎
872-50-4	N- methylpyrrolidone	C ₅ H ₉ NO	8 hours undetected	◎
512-56-1	Trimethyl phosphate	(CH ₃ O) ₃ PO	8 hours undetected	◎
67-63-0	Isopropyl alcohol (IPA)	CH ₃ CH(OH)CH ₃	8 hours undetected	◎
95-47-6	O- xylene	C ₆ H ₄ (CH ₃) ₂	8 hours undetected	◎
78-93-3	Methyl ethyl ketone (MEK)	CH ₃ COC ₂ H ₅	8 hours undetected	◎
79-20-9	Methyl acetate	CH ₃ COOCH ₃	8 hours undetected	◎
67-66-3	Chloroform	CHCl ₃	8 hours undetected	◎
60-29-7	Ethyl ether	C ₂ H ₅ OC ₂ H ₅	8 hours undetected	◎
78-83-1	Isobutyl alcohol	(CH ₃) ₂ CHCH ₂ OH	8 hours undetected	◎

Estimated : ◎ There is almost no problem even if Used Available Yes

* ASTM (American Society for Testing and materials American Society for Testing and Materials)

※ Mark JIS T8116 defined standard test solution

To request a quotation or for more information, please call **+44 (0)1473 836205**
 email info@integritycleanroom.co.uk or visit www.integritycleanroom.co.uk

IMPORTANT: This data sheet and its contents (the "Information") belong to Integrity Cleanroom or are licensed to it. No licence is granted for the use of it other than for information purposes in connection with the products to which it relates. No licence of any intellectual property rights is granted. The Information is subject to change without notice and replaces all data sheets previously supplied. The Information supplied is believed to be accurate but Integrity Cleanroom assumes no responsibility for its accuracy or completeness, any error in or omission from it or for any use made of it. Users of this data sheet should check for themselves the Information and the suitability of the products for their purpose and not make any assumptions based on information included or omitted. Liability for loss or damage resulting from any reliance on the Information or use of it (including liability resulting from negligence or where Integrity Cleanroom was aware of the possibility of such loss or damage arising) is excluded. © 2023 Integrity Cleanroom.

BREAKTHROUGH TIME MEASUREMENT TEST (FLUORINE-CONTAINING RUBBER)

CAS NO.	SOLVENT NAME	CHEMICAL FORMULA	* ASTM BREAKTHROUGH TIME	INDICATION
67-64-1	※ acetone	CH ₃ COCH ₃	8 hours undetected	◎
27522	※ acetonitrile	CH ₃ CN	8 hours undetected	◎
141-78-6	※ Ethyl acetate	CH ₃ COOC ₂ H ₅	8 hours undetected	◎
109-89-7	※ diethylamine	(C ₂ H ₅) ₂ NH	8 hours undetected	◎
27639	※ dichloromethane	CH ₂ Cl ₂	8 hours undetected	◎
25174	※ dimethylformamide (DMF)	(CH ₃) ₂ NCHO	8 hours undetected	◎
127-18-4	※ tetrachlorethylene	CCl ₂ =CCl ₂	8 hours undetected	◎
109-99-9	※ tetrahydrofuran (THF)	C ₄ H ₈ O	8 hours undetected	◎
108-88-3	※ toluene	C ₆ H ₅ CH ₃	8 hours undetected	◎
98-95-3	※ nitrobenzene	C ₆ H ₅ NO ₂	8 hours undetected	◎
75-15-0	※ carbon disulfide	CS ₂	8 hours undetected	◎
110-54-3	※ n- hexane	CH ₃ (CH ₂) ₄ CH ₃	8 hours undetected	◎
67-56-1	※ methanol	CH ₃ OH	315 minutes	○
7664-93-9	※ 93.1% sulfuric acid solution	H ₂ SO ₄	8 hours undetected	◎
1310-73-2	※ aqueous solution of sodium hydroxide 50%	NaOH	8 hours undetected	◎
872-50-4	N- methylpyrrolidone	C ₅ H ₉ NO	8 hours undetected	◎
512-56-1	Trimethyl phosphate	(CH ₃ O) ₃ PO	8 hours undetected	◎
67-63-0	Isopropyl alcohol (IPA)	CH ₃ CH(OH)CH ₃	8 hours undetected	◎
95-47-6	O- xylene	C ₆ H ₄ (CH ₃) ₂	8 hours undetected	◎
78-93-3	Methyl ethyl ketone (MEK)	CH ₃ COC ₂ H ₅	8 hours undetected	◎
79-20-9	Methyl acetate	CH ₃ COOCH ₃	8 hours undetected	◎
67-66-3	Chloroform	CHCl ₃	8 hours undetected	◎
60-29-7	Ethyl ether	C ₂ H ₅ OC ₂ H ₅	8 hours undetected	◎
78-83-1	Isobutyl alcohol	(CH ₃) ₂ CHCH ₂ OH	8 hours undetected	◎

Estimation: ◎ Available ○ Available for short-term work to prevent scattering × Unusable for single use
 “Sulfuric acid 96% solution” “Sodium hydroxide aqueous solution 30%”

Test request destination: Chemicals Evaluation and Research Institute

Others examined by our company

* ASTM (American Society for Testing and Materials American Materials Testing Association)

※ mark indicates the standard test solution specified in JIS T 8116

To request a quotation or for more information, please call **+44 (0)1473 836205**
 email info@integritycleanroom.co.uk or visit www.integritycleanroom.co.uk

IMPORTANT: This data sheet and its contents (the “Information”) belong to Integrity Cleanroom or are licensed to it. No licence is granted for the use of it other than for information purposes in connection with the products to which it relates. No licence of any intellectual property rights is granted. The Information is subject to change without notice and replaces all data sheets previously supplied. The Information supplied is believed to be accurate but Integrity Cleanroom assumes no responsibility for its accuracy or completeness, any error in or omission from it or for any use made of it. Users of this data sheet should check for themselves the Information and the suitability of the products for their purpose and not make any assumptions based on information included or omitted. Liability for loss or damage resulting from any reliance on the Information or use of it (including liability resulting from negligence or where Integrity Cleanroom was aware of the possibility of such loss or damage arising) is excluded. © 2023 Integrity Cleanroom.