

SUMIRUBBER MALAYSIA TECHNICAL DATA SHEET

Product Code: GI-U-07C

CONTENT

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Revision No.	Issue Date	Reason for Issue
3	June 11, 2007	Update EC Type Examination Certificate & User Info.
4	August 17, 2007	Include CE Marking Test Report
5	July 01, 2010	Update Product Information
6	August 16, 2011	Update New Format
7	February 12, 2018	Update latest harmonised standard
8	October 24, 2018	Update EU Type Examination Cert.
9	October 14, 2019	Update New NB Number

TECHNICAL DATA SHEET

SUMIRUBBER MALAYSIA

Documentation No : TDS 044/02	Product Code : GI-U-07C
Revision No : 9	Brand : Summitech Professional
Date : October 14, 2019	

Manufactured By:
Sumirubber Malaysia Sdn. Bhd. (172875-K)
Lot 44, 45 & 86, Bakar Arang Industrial Estate
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Malaysia.
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Website : www.sumirubber.com



1. Product Features

- Super lightweight construction enhances sensitivity, flexibility and yet durable.
- Unlined, reducing risk contamination.
- Suitable for contact with all fatty food stuffs
- Silicone free

2. Application/Usage

- Agroindustrial
- Confectionary industry
- Handling greasy, oily small parts
- Handling of mechanical and electronic components
- Meat and poultry handling

3. Product Description

Unsupported Nitrile Rubber Unlined Gloves

Main Component : Nitrile Rubber, Pigment, Zinc Oxide, Sulphur, Zinc Di-buthyl-dithiocarbamate, Titanium Dioxide, Polyacrylate, Auxiliaries.

Coating material : Nitrile

Liner material : Unlined

Palm Pattern : Pebble

Colour : Blue

Length : 300 ± 10 mm

Thickness : 0.21 ± 0.05 mm

Glove Size	7	8	9	10	11
Palm Width (±5 mm)	98	102	114	121	133

4. Physical Properties (Accordance to ISO 37:2005 and ISO 188:2007)

Before	Tensile at break (MPa)	: min 30
Aging	Elongation at break (%)	: min 450
After	Tensile at break (MPa)	: min 21
Aging	Elongation at break (%)	: min 380

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5. Performance Requirements (for individual use) AQL

Item	Related Defects	Ins. Level	AQL
Visible defects	Major : Break Up, Hole, Mix Size, Scratch & Miss pairing	G1	1.0
	Minor: Foreign matter, Coagulum, Dirt, Sticky & Stain	G1	2.5
Dimensions	Width, Length, Thickness	S-2	4.0

6. Mechanical protection (Accordance to EN 388:2016

Abrasion resistance (cycle)	: 2 of 4
Blade Cut resistance - coupe test (Index)	: 0 of 5
Tear resistance (N)	: 0 of 4
Puncture resistance (N)	: 1 of 4
Cut resistance - ISO 13997:1999 (N)	: X

7. Chemical protection (Accordance to EN374-1:2016)

Permeation Test Result (EN 16523-1:2015)

n-Heptane (J)	: 6 of 6
Sodium Hydroxide 40% (K)	: 6 of 6
Sulphuric Acid 96% (L)	: 2 of 6
Ammonium Hydroxide 25% (O)	: 3 of 6
Hydrogen Peroxide 30% (P)	: 6 of 6
Formaldehyde 37% (T)	: 6 of 6

Degradation Test Result (EN 374-4:2013)

14.30%	(Slight swelling)
4.80%	(No change)
97%	(Severe swelling & colour change)
30.80%	(Moderate swelling)
28.10%	(Swollen)
8.10%	(No change)

**This information does not reflect the actual duration of protection in the workplace and the differentiation between mixtures and pure chemicals.*

8. EU Type Examination Certification

To refer certificate no: GB18/962207

9. User Information

To refer documentation no: Refer attachment

10. Stamping (Stamping at the back of each gloves)



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11. Packaging

a) Packing style

- Each pair in Summitech Professional printed PE polybag.
- 12 PE polybags in a Summitech Professional inner polybag .
- 10 Summitech Professional inner polybag in a master carton.
- 120 pairs in a master carton

b) Polybag layout

- Summitech Professional

c) Polybag dimension

- Length: 370 mm x Width: 150 mm

d) Carton Marking

- Summitech Professional

e) Carton Dimension

- Length: 400 mm x Width: 260 mm x Height: 410 mm for size 7,8 & 9
- Length: 400 mm x Width: 280 mm x Height: 440 mm for size 10 & 11

f) Container Capacity

- 1 x 20ft : Approximately 650 cartons (78000 pairs)
- 1 x 40ft : Approximately 1300 cartons (156000 pairs)

Controlled by:



Quality Assurance Dept
Date: October 14, 2019

Approved by :



Quality Assurance Manager
Date: October 14, 2019

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Documentation No : TDS 044/02
Revision No : 9
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Product Code : GI-U-07C
Brand : Summitech Professional

Certificate GB18/962207

Sumirubber Malaysia Sdn. Bhd.

44, 45 & 86 Bakar Arang Industrial Estate,
08000 Sungai Petani,
Kedah,
Western Malaysia.

It is certified that the manufacturer's technical file and the PPE product detailed on page 2 have been assessed and found to be in accordance with

Regulation (EU) 2016/425 Module B, EU type-examination

This certificate is valid from 23 October 2018 until 23 October 2023
Issue 1. Certified since 23 October 2018

Authorised by



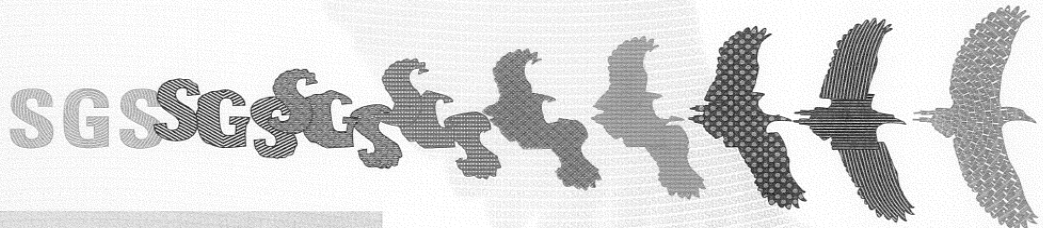
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HC SGS 2016/425 B 0118

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Certificate GB18/962207, continued

Sumirubber Malaysia Sdn. Bhd.

Regulation (EU) 2016/425

Module B, EU type-examination

Issue 1

PPE Product

Summitech Professional (logo) GI-U-07C, unsupported blue nitrile rubber unlined gloves with a pebble pattern finish on the hands, which are available in five nominal sizes.

It is certified that the manufacturer's technical file and the above mentioned PPE have been assessed and found to meet the applicable Essential Health and Safety Requirements in Annex II of Regulation (EU) 2016/425 Personal Protective Equipment

The following have been applied:

- EN ISO 374-1:2016 (Protective gloves against chemicals and micro-organisms) as a Type A glove against reagents J, K, L, O, P, T;
- EN ISO 374-5:2016 (Protective gloves against chemicals and micro-organisms) with EN 374-2:2014 performance level 2;
- EN 388:2016 (Protective gloves against mechanical risks) for a performance classification of 2,0,0,1,X.

This certificate is issued on the strict condition that appropriate checks on manufactured PPE, as detailed in Article 19 (c) of the Regulation are implemented and maintained while the model is in production

Certification is based on technical file reference: TDS EC 053/18, Rev 01

SGS Reference Number UK/CRS Number 238759



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EN
 INSTRUCTION FOR USE
 CE0598

GLOVES STYLES & AVAILABLE SIZES

Model	Size	EN388:2016	EN ISO 374-1:2016										EN 374-4:2013										Product Description						
			Performance Level/Type										Degradation By Chemicals, %											Observation					
			A	J	K	L	O	T	P	A	J	K	L	O	T	P	A	J	K	L	O	T	P	Yes					
GI-U-01C	S, M, L & XL	2001X	-	6	6	2	4	6	6	A	-	40.6	7.4	91.9	18.9	10.3	20.9	-	4	1	5	2	2	2	Yes				
GI-U-07C	7, 8, 9, 10 & 11	2001X	-	6	6	2	3	6	6	A	-	14.3	4.8	96.8	30.8	8.1	28.1	-	2	1	5	3	1	2	Yes				
GC-U-07C	7, 8, 9, 10 & 11	3001X	2	6	6	3	4	6	-	A	71.2	22.4	9.5	91.0	11.2	2.9	-	3	2	1	5	2	1	-	Yes				
GT-U-07C	7, 8, 9, 10 & 11	4101X	2	6	6	4	6	6	-	A	57.2	18.2	-17.6	57.6	-5.6	-12.4	-	3	2	1	5	2	2	-	Yes				
GT-U-09C	7, 8, 9, 10 & 11	4101X	2	6	6	4	6	6	-	A	57.2	18.2	-17.6	57.6	-5.6	-12.4	-	3	2	1	5	2	2	-	Yes				
GA-F-09C	7, 8, 9, 10 & 11	2101X	-	6	6	-	-	5	-	B	-	40.7	6.9	-	-	15.4	-	-	2	1	-	-	3	-	Yes				
GC-F-07C	7, 8, 9, 10 & 11	3101X	2	6	6	2	4	6	-	A	65.0	33.9	7.3	84.4	36.3	2.3	-	2	2	1	5	2	2	-	-				
GF-F-09C	7, 8, 9, 10 & 11	3101X	-	6	6	2	-	-	-	B	-	23.1	-2.9	96.2	-	-	-	-	1	1	5	-	-	-	Yes				
GT-F-06C	7, 8, 9, 10 & 11	4101X	2	6	6	3	4	6	-	A	0.36	0.41	0.28	0.7	0.25	-0.2	-	2	2	1	4	2	2	-	Yes				
GT-F-07C	7, 8, 9, 10 & 11	4101X	2	6	6	3	6	6	-	A	54.1	18.3	5.7	80.1	13.3	8.3	-	3	1	1	5	2	2	-	Yes				
GT-F-09C	7, 8, 9, 10 & 11	4101X	2	6	6	4	5	5	-	A	48.4	18.7	-9.1	72.7	3.1	35.4	-	2	2	1	5	2	3	-	Yes				
GD-F-07C	7, 8, 9, 10 & 11	4101X	3	6	6	3	6	5	-	A	80.3	26.9	17.3	68.7	24.0	20.6	-	3	2	1	5	2	2	-	-				
GD-F-09C	7, 8, 9, 10 & 11	4102X	3	6	6	4	6	6	-	A	75.4	15.1	16.9	70.9	21.8	5.2	-	2	2	1	5	2	2	-	Yes				
GL-F-03C	7, 8, 9 & 10	4101X	2	6	6	3	5	6	-	A	81.3	24.7	17.2	84.3	24.1	41.7	-	4	2	1	5	2	2	-	Yes				
GE-F-09C	7, 8, 9, 10 & 11	3101X	-	6	6	3	-	-	-	B	-	41.5	9.2	84.2	-	-	-	-	2	1	5	-	-	-	Yes				

Conformity

These products are in conformance with the Regulation (EU) 2016/425 as amended, EN420 : 2003+A1:2009, EN388 : 2016 and EN ISO 374-1:2016.

EN388:2016 - Mechanical Hazards



where
 abcdx

a = resistance to abrasion (Min. 0 ; Max. 4)
 b = resistance to blade cut (Min. 0 ; Max. 5)
 c = resistance to tear (Min. 0 ; Max. 4)
 d = resistance to puncture (Min. 0 ; Max. 4)
 x = Cut ISO 13997:1999



EN ISO 374-5:2016 - Micro-Organisms
 Number refers to as acceptable quality level (AQL)



Please read instruction for use.

Note for Observation (EN 374-4:2013)

- 1 No Change
- 2 Slight Swelling
- 3 Moderate Swelling
- 4 Severe Swelling
- 5 Severe Swelling & Colour Change

EN ISO 374-1:2016 - Protective Gloves Against Dangerous Chemicals



where
 JKLOPT

A: Methanol
 B: Acetone
 C: Acetonitrile
 D: Dichloromethane
 E: Carbon disulphide
 F: Toluene
 G: Diethylamine
 H: Tetrahydrofurane
 I: Ethyl acetate
 J: n-Heptane
 K: Sodium hydroxide 40%
 L: Sulphuric acid 96%
 M: Nitric acid 65%
 N: Acetic acid 65%
 O: Ammonium hydroxide 25%
 P: Hydrogen peroxide 30%
 S: Hydrofluoric acid 40%
 T: Formaldehyde 37%

Performance Level	Breakthrough Time, Minutes
0	≤ 10
1	> 10
2	> 30
3	> 60
4	> 120
5	> 240
6	> 480

Note:

Type A: The permeation performance shall be at least level 2 against a minimum of six test chemicals in Table 1.
 Type B: The permeation performance shall be at least level 2 against a minimum of three test chemicals in Table 1.
 Type C: The permeation performance shall be at least level 1 against a minimum of one test chemical in Table 1.

EN374-4: 2013 - Resistance to degradation by chemicals



Suitable for food contact
 * Further information can be obtained from Sumirubber Malaysia Sdn. Bhd.

USAGE

Choose the appropriate glove size to avoid hand fatigue.
 This information does not reflect the actual duration of protection in the workplace and the differentiation between mixtures and pure chemicals.
 The chemical resistance has been assessed under laboratory conditions from samples taken from the palm only (except in cases where the glove is equal to or over 400mm where the cuff is tested also) and relates only to the chemical tested. It can be different if the chemical is used in a mixture.
 It is recommended to check that the gloves are suitable for the intended use because the conditions at the workplace may differ from the type test depending on temperature, abrasion and degradation. When use, protective gloves may provide less resistance to the dangerous chemical due to changes in physical properties. Movements, snagging, rubbing, degradation caused by the chemical contact etc may reduce the actual use time significantly. For corrosive chemicals, degradation can be the most important factor to consider in selection of chemical resistant gloves.
 Do not wear gloves with high tear resistant next to moving machine parts due to risk of entanglement.
 Before usage, inspect gloves for any defect or imperfections.
 These gloves are not tested against viruses.

CARE & STORAGE

Store in a cool dry place, away from direct sunlight, sources of heat and UV radiation.
 Retain in original pack for transport.

POTENTIALITY ALLERGENIC MATERIALS

Some gloves may contain materials considered as the possible cause of allergies in susceptible persons, and which may therefore lead to skin irritation and/or allergic reactions. In the event of an allergic reaction, consult a doctor immediately. For further information can be obtained from the manufacturer.

CLEANING INSTRUCTIONS

The washing and re-use of these gloves when used for chemical protection is not recommended. For further information please contact the manufacturer.

DISPOSE

Dispose these products in accordance with local regulations.

Further information can be obtained from Sumirubber Malaysia Sdn. Bhd.

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 EU Declaration of Conformity: www.sumirubber.com

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 Notified Body Number : 2777

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