

Cleanroom Gloves



Nitrile Cleanroom Gloves

Series: TC-SH12



FED	1	10	100	1000	10K	100K
ISO	3	4	5	6	7	8
GMP			A/B		C	D

Features:

- Sulfur and Accelerator free, synthetic nitrile.
- Acceptable Quality Level, AQL of 1.5 for freedom from holes.
- Textured fingertips and tapered finish for a secure and comfortable fit.
- Excellent resistance to permeation by a wide range of solvents, acids and bases.
- Non-staining even during prolonged use, reducing the risk of contamination to parts or components.
- Enhanced grip, superior physical strength and tear-resistant durability.
- Manufactured & packed in a cleanroom environment Class 10 (ISO 14644 Class 4).
- Clean processed, chlorinated and anti-static.
- Both plastic packaging and cardboard used are made from recycled content.

Quality Assurance:

- Manufactured in accordance with ISO 9001 and ISO 13485.
- Environmental management systems in accordance with ISO 14001.

Order Information

TC-SH12-XS-F	12" (min 300mm)	100 gloves/bag, 10 bags/case
TC-SH12-S-F	12" (min 300mm)	100 gloves/bag, 10 bags/case
TC-SH12-M-F	12" (min 300mm)	100 gloves/bag, 10 bags/case
TC-SH12-L-F	12" (min 300mm)	100 gloves/bag, 10 bags/case

Recommended Industries



Communication

Harddisk

Semiconductor

Electronics

Laboratory

Pharmaceutical

Automotive

Aerospace

Green Energy

Revision Date : 16-Apr-25

Singapore Tel : 65. 6276.6123
 Malaysia Tel : 60. 4643.2128
 Thailand Tel : 66. 3579.6832
 Philippines Tel : 63. 498.270.219
 Indonesia Tel : 62. 218.990.6301

www.inout.com.sg

Enquiries : sales@inout.com.sg

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Cleanroom Gloves

by



Dimensions

Sizes	Weight (gram/pcs)	Palm Width (mm)	Length, (mm)
XS	5.5 ± 0.3	75 ± 5	Min. 300
S	6.0 ± 0.3	85 ± 5	
M	6.4 ± 0.3	95 ± 5	
L	7.0 ± 0.3	105 ± 5	
XL	7.5 ± 0.3	115 ± 5	

Thickness

Measured Point	Single Wall (mm)
Cuff	0.08 – 0.10
Palm	0.10 – 0.12
Finger	0.12 – 0.14

Physical Properties

Parameter	Units	Specification	Test Method
Tensile Strength	Mpa	> 18	ASTM D 412
Modulus	Mpa	< 9	ASTM D 412
Ultimate Elongation	%	> 500	ASTM D 412

ESD Properties

Parameter	Units	Specification	Test Method
Surface Resistance	ohms	Max 5 x 10 ¹¹	ESD STM11.11
In-Use Resistance (CAFE)	ohms	Max 10 ⁸	ANSI/ESD-SP15.1
Static Decay	seconds	Max 2.0	FTMS 101-C, 4046

Cleanliness

Technical data (According to IEST-RP-CC005.4)		
Organic Contaminant via Fourier Transform Infrared Spectroscopy, FTIR	No Silicone Oil, No Amide, No Dioctyl Phthalate (DOP)	
Liquid particle counter, LPC (≥ 0.5 µm* particles/cm ²)	Max 900	
Non-volatile residue, NVR (µg/cm ²)	DI-water	Max 3.0
Ions Contamination (µg/cm ²)	Chloride	Max 0.30
	Nitrate	Max 0.30
	Sulphate	Max 0.05
	Fluoride	Max 0.01
	Bromide	Max 0.01
	Nitrite	Max 0.01
	Phosphate	Max 0.01
	Calcium	Max 0.50
	Sodium	Max 0.08
SEM/EDX Test (particles/cm ²)	Potassium	Max 0.08
	MgSiO	≤ 1

Note: The data in this table represents typical analyses at the time of publication. (Tested by internal laboratory)
They are not specifications. KnightClean is continuously refining both its process and its products.
(As necessary, updates will be made to the product data sheet.)

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