

**PRODUCT**

# Integrity 12 Inch Vinyl Gloves

**TECHNICAL DATASHEET**



**DESCRIPTION**

Integrity 12” Vinyl gloves, ISO 5 powder-free, bulk packed in packs of 100, cleanroom packaged and double bagged.

These gloves are ESD safe and therefore suitable for protection for operators and processes in the microelectronics and semiconductor industries, in addition to pharmaceutical, aerospace, automotive and medical. Ambidextrous bulk packed, 5 years shelf life from date of manufacture.

**PROPERTIES**

TEST ITEM	TEST METHOD	RESULT
Surface resistance	ASTM D257-93 Analysis performed by Resistance meter	5 x 10 <sup>8</sup> ohms
Particle (Wet)	IEST-RP-CC005.4 method Analysis performed by Helmke-Yeich Tumble Drum Air Particel counter	7460000 count/cm <sup>2</sup>
≥ 0.1 µm		507000 count/cm <sup>2</sup>
≥ 0.2 µm		2200 count/cm <sup>2</sup>
≥ 0.5 µm		440 count/cm <sup>2</sup>
≥ 1.0 µm		
Particle (Dry)	IEST-RO-CC003.3 method	293 count/m <sup>3</sup>
≥ 0.3 µm		187 count/m <sup>3</sup>
≥ 0.5 µm		38.8 count/m <sup>3</sup>
≥ 1 µm		

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

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**PROPERTIES CONTD.**

TEST ITEM	CAS NO.	TEST METHOD	RESULTS	LOQ/LOD
Aluminium (Al)	-	IEST-RP-C005.4 method. Analysis performed by ICP/MS	no data	0.0010
Calcium (Ca)	7440-70-2		0.0357 µg/cm <sup>2</sup>	0.0010
Iron (Fe)	-		no data	0.0010
Potassium (K)	7440-09-7		no data	0.0010
Boron (B)	7440-42-8		no data	0.0010
Magnesium (Mg)	7439-95-4		0.0127 µg/cm <sup>2</sup>	0.0010
Manganese (Mn)	7439-96-5		no data	0.0010
Sodium (Na)	7440-23-5		0.165 µg/cm <sup>2</sup>	0.0010
Zinc (Zn)	7440-66-6		0.0408 µg/cm <sup>2</sup>	0.0010
Lithium (Li <sup>+</sup> )	17341-24-1		IEST-RP-CC005.4 method Analysis was performed by IC.	no data
Sodium (Na <sup>+</sup> )	17341-25-2	0.167 µg/cm <sup>2</sup>		0.0010
Ammonium (NH <sub>4</sub> <sup>+</sup> )	14798-03-9	no data		0.0010
Potassium (K <sup>+</sup> )	24203-36-9	no data		0.0010
Calcium (Ca <sup>2+</sup> )	14102-48-8	0.0503 µg/cm <sup>2</sup>		0.0010
Magnesium (Mg <sup>2+</sup> )	14581-92-1	0.0107 µg/cm <sup>2</sup>		0.0010
Fluoride (F <sup>-</sup> )	16984-48-8	no data		0.0010
Chloride (Cl <sup>-</sup> )	16887-00-6	0.0475 µg/cm <sup>2</sup>		0.0010
Nitrate (NO <sub>2</sub> <sup>-</sup> )	14797-65-0	no data		0.0010
Bromide (Br <sup>-</sup> )	24959-67-9	no data		0.0010
Nitrate (NO <sub>3</sub> <sup>-</sup> )	14797-55-8	no data	0.0010	
Phosphate (PO <sub>4</sub> <sup>3-</sup> )	98059-61-1	0.0246 µg/cm <sup>2</sup>	0.0010	
Sulfate (SO <sub>4</sub> <sup>2-</sup> )	14808-79-8	0.0459 µg/cm <sup>2</sup>	0.0010	

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SIZE	SMALL	MEDIUM	LARGE	X-LARGE	TEST CODE
Width of palm (mm)	88±2	98±2	108±2	113±2	ASTM D5250
Total length (m/m) from tip middle finger to cuff	Min. 300	Min. 300	Min. 300	Min. 300	
Length of fingers (mm)					± 1.0
Thumb	56	61	62	67	
Index finger	64	72	77	85	
Middle finger	73	83	91	97	
Ring finger	69	77	83	89	±1.0
Little finger	53	59	62	66	
Circumference of fingers (mm)					±1.0
Thumb	66	74	82	82	
Index finger	58	62	70	71	
Middle finger	56	60	70	71	
Ring finger	54	60	70	70	
Little finger	50	56	63	63	
Before and after accelerated aging (70± 2°C x 72 ± 2h) tensile strength (mpa)	Min. 9 mpa	Min. 9 mpa	Min. 9 mpa	Min. 9 mpa	ASTM D5250 Min. 9 mpa
Before and after accelerated aging elongation (%)	Min. 350%	Min. 350%	Min. 350%	Min. 350%	ASTM D5250 Min 300%
Thickness (mm)					
Finger tip	Min. 0.08	Min. 0.08	Min. 0.08	Min . 0.08	ASTM D5250 Min 0.05
Palm	Min. 0.08	Min. 0.08	Min. 0.08	Min. 0.08	ASTM D5250 Min. 0.08
Cuff	Min. 0.06	Min. 0.06	Min. 0.06	Min. 0.06	

PRODUCT CODE	DECRPTION	SIZE	PACK QUANTITY
600-0640	Integrity 12 Inch Vinyl Gloves	Small	100 gloves
600-0641	Integrity 12 Inch Vinyl Gloves	Medium	100 gloves
600-0642	Integrity 12 Inch Vinyl Gloves	Large	100 gloves
600-0643	Integrity 12 Inch Vinyl Gloves	X-Large	100 gloves

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