






1. Device Name	NITRILE 46'S																												
2. Description	Nitrile, Extra Long Protection up to Elbow, Cut, Puncture and Abrasion Resistance, Pebble Grip, Silicone Free, Reusable																												
3. Product Codes & Sizes	<table border="1"> <thead> <tr> <th>Product Code</th> <th>Size</th> <th>Single Pair Barcode</th> <th>Inner Polybag Barcode</th> <th>Shipper Barcode</th> </tr> </thead> <tbody> <tr> <td>41263</td> <td>SIZE 8</td> <td>9311059412630</td> <td>19311059412637</td> <td>29311059412634</td> </tr> <tr> <td>41264</td> <td>SIZE 9</td> <td>9311059412647</td> <td>19311059412644</td> <td>29311059412641</td> </tr> <tr> <td>41265</td> <td>SIZE 10</td> <td>9311059412654</td> <td>19311059412651</td> <td>29311059412658</td> </tr> </tbody> </table>					Product Code	Size	Single Pair Barcode	Inner Polybag Barcode	Shipper Barcode	41263	SIZE 8	9311059412630	19311059412637	29311059412634	41264	SIZE 9	9311059412647	19311059412644	29311059412641	41265	SIZE 10	9311059412654	19311059412651	29311059412658				
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4. Recommended Applications	<ul style="list-style-type: none"> Aerospace Industry Poultry Works Food Manufacturing Industrial Cleaning Printing Industry Petrochemical Oil Refinery Agrochemical Industry Abattoirs & Meatworks Chemical Processing Manufacturing Cutting Oils Car Industry Metal Treatments Metal Industry Materials Handling Fisheries 																												
5. Materials	Nitrile, Green Lined, Does not contain DOP/DEHP phthalates																												
6. Production Process	Raw material and Packing material receipt, QA inspection of raw material and packing materials, Preparation of Coagulant, Nitrile compound, Lab inspection, Coagulant dip, Nitrile dip, Vulcanisation, Drying oven, Glove stripping, tumble drying, QA sample inspection, Chlorinate gloves, Trimming, 100% visual inspection and grading, packing, QA sample inspection, finished goods to storage, Dispatch.																												
7. Standards & Approvals	<div style="display: flex; justify-content: space-around; align-items: center;"> <div style="text-align: center;">  EN 388  4102 </div> <div style="text-align: center;">  EN 374 AGJKLMNOPST </div> <div style="text-align: center;">  EN ISO 374-5 </div> <div style="text-align: center;">  SILICONE FREE </div> </div> <p>Nitrile 46's are tested to and complies with;</p> <ul style="list-style-type: none"> Certified under HACCP Food Safety Accreditation Conforms to European Council Directive 89/686/EEC relating to (Complex Design) Personal Protective Equipment after assessment against standards EN374, EN388 and EN420:2003 																												
8. Dimensions	<table border="1"> <thead> <tr> <th>SIZE</th> <th>LENGTH (+/-10mm)</th> <th>THICKNESS SINGLE WALL (+/-0.05mm)</th> <th>CIRCUMF. PALM (+/-5mm)</th> <th>CIRCUMF. WRIST (+/-5mm)</th> <th>CIRCUMF. CUFF (+/-5mm)</th> </tr> </thead> <tbody> <tr> <td>SIZE 8</td> <td>460mm</td> <td>0.55mm</td> <td>218</td> <td>220</td> <td>398</td> </tr> <tr> <td>SIZE 9</td> <td>460mm</td> <td>0.55mm</td> <td>232</td> <td>232</td> <td>422</td> </tr> <tr> <td>SIZE 10</td> <td>460mm</td> <td>0.55mm</td> <td>260</td> <td>258</td> <td>440</td> </tr> </tbody> </table>					SIZE	LENGTH (+/-10mm)	THICKNESS SINGLE WALL (+/-0.05mm)	CIRCUMF. PALM (+/-5mm)	CIRCUMF. WRIST (+/-5mm)	CIRCUMF. CUFF (+/-5mm)	SIZE 8	460mm	0.55mm	218	220	398	SIZE 9	460mm	0.55mm	232	232	422	SIZE 10	460mm	0.55mm	260	258	440
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9. Colour	Green																												



10. Performance Requirements

CHARACTERISTICS	INSPECTION LEVEL	REFERENCE STANDARD
Minimum Length	PASS	EN ISO 21420:2020
Comfort and Fit	PASS	EN ISO 21420:2020
Dexterity	5	EN ISO 21420:2020
Abrasion Resistance	4	EN388:2003 clause 6.1
Blade Cut Resistance	1	EN388:2003 clause 6.2
Tear Resistance	0	EN388:2003 clause 6.3
Puncture Resistance	2	EN388:2003 clause 6.4
Air Leak Test	PASS	EN374 Micro O Risks
Water Leak Test	PASS	EN374 Micro O Risks

11. Physical Properties

DESCRIPTION	
Tensile Strength	20.0 MPa (min)
Elongation at Break	400% (min)
Modulus at 300% Elongation	10.0 MPa (max)
Load at Break	40.0 N (min)

12. Chemical Resistance

CHARACTERISTICS	CAS No.	Permeation BTT (min)	CE Rating	CHARACTERISTICS	CAS No.	Permeation BTT (min)	CE Rating
1,1,1-Trichloroethane	71-55-6	44	2	Ethyl acetate *	141-78-6	20	1
1,1,2,2-Tetrachloroethane	79-34-5	31	2	Ethyl ether	60-29-7	21	1
Acetic acid, glacial *	64-19-7	160	4	Ethyl glycol ether	110-80-5	247	5
Acetic acid, 25%	64-19-7	>480	6	Ethyl lactate	687-48-8	>480	6
Acetone	67-64-1	0	0	Ethylene glycol	107-21-1	>480	6
Acetonitrile	75-05-8	4	1	Gasoline, white		>480	6
Butanol, pure	71-36-3	>480	6	Heptane	142-82-5	>480	6
Butyl acetate	123-86-4	33	2	Hexane	110-54-3	>480	6
Butyl cellosolve	111-76-2	>480	6	Hydrazine, 60%	302-01-2	>480	6
Carbon disulphide *	75-15-0	22	1	Hydrochloric acid *	7647-01-0	>480	5
Cyclohexane	110-82-7	>480	6	Iso propanol	67-63-0	>480	6
Cyclohexanol	108-93-0	>480	6	Lactic acid, 85%	598-82-3	>480	6
Cyclohexanone	108-94-1	92	3	Lauric acid, 36% in ethanol	143-07-7	219	4
Diacetone alcohol	123-42-2	164	4	Maleic acid, saturated	110-16-7	>480	6
Dibutyl phthalate	83-74-2	>480	6	Methanol *	67-56-1	40	3
Dichloromethane	75-09-2	2	0	Methyl ethyl ketone	78-93-3	15	1
Diethylamine *	109-89-7	23	2	Methyl propyl ketone	107-87-9	22	1
Dimethyl acetamide	127-19-5	46	2	Monoethanolamine	141-43-5	>480	6
Ethanol, absolute	64-17-5	>480	6	Muriatic acid	7647-01-0	>480	6

Note: This chart is provided as a guide only. The suitability of a glove in a specific application and environment must be verified by the user.
* Testing Data Available

CHARACTERISTICS	CAS No.	Permeation BTT (min)	CE Rating	CHARACTERISTICS	CAS No.	Permeation BTT (min)	CE Rating
Nitric acid, 40% *	7697-37-2	>480	6	Sodium silicate	6834-92-0	>480	6
Octyl alcohol	111-87-5	>480	6	Sulphuric acid, 96% *	7664-93-9	150	5
Ortho-phosphoric acid	7664-38-2	>480	6	Sulphuric acid, 50%	7664-93-9	>480	6
Perchloric acid, 60%	7601-90-3	>480	6	Thinner		14	1
Potassium hydroxide, 50%	1310-58-3	>480	6	Toluene *	108-88-3	39	1
Propanol	67-63-0	>480	6	Triethanolamine	102-71-6	>480	6
Propyl acetate	109-60-4	68	3	Turpentine	8006-64-2	>480	6
Pyridine	110-86-1	24	1	White spirit	64742-48-9	>480	6
Sodium hydroxide, 50% *	1310-72-2	>480	6	White spirit	68551-17-7	>480	6
Sodium hypochlorite, 13%	7681-52-9	>480	6	White spirit	8052-40-13	>480	6

Note: This chart is provided as a guide only. The suitability of a glove in a specific application and environment must be verified by the user.
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13. Sampling and Acceptance Criteria

CHARACTERISTICS	SAMPLING STANDARD	INSPECTION LEVEL	AQL	REF. STANDARD
Dimensions	ISO 3951	S3	1.0	Manufacturers S.O.P
Visual Defects Major	ISO 2859-1	G1	1.5	Manufacturers S.O.P
Visual Defects Minor	ISO 2859-1	G1	4.0	Manufacturers S.O.P
Packaging Defects Major	ISO 2859-1	S3	1.0	Manufacturers S.O.P
Packaging Defects Minor	ISO 2859-1	S3	4.0	Manufacturers S.O.P

14. Quality Control Inspection Procedures

- Shipment is packed into lots of 2000 pairs (approximately). A lot consists of only one glove size.
- For the inspection of visual defects, random samples are drawn from the lot at the stage of packing. Sample is visually inspected for major and minor defects and status of test is determined based on the acceptance criteria in table 12 above.
- One glove is measured from each lot for dimensions and compared with specifications. If any dimension is found to be nonconforming, a random sample is drawn from the lot as per sampling plan in table 12. Status of the test is determined based on the acceptance criteria in table 12.
- For the inspection of packaging defects, random samples are drawn from the lot at the stage of packing. Sample is visually inspected for a major and minor defect and status is determined based on the acceptance criteria in table 12.
- If all above tests are PASS, the status of the lot is considered as "PASS". Otherwise the status of the lot is considered "HOLD".
- HOLD lots are re-inspected and a subsequent QC check is performed on such lots. Status of such lots is determined based on the same method described above.
- PASS lots are transferred to Finished Goods Store ready for shipment.

15. Packaging

1 pair will be packed into a clear polybag with label. 12 pairs per plain polybag, 6 plain polybags packed inside export quality shipper carton (outer) for a total of 72 pairs.

16. Packaging Specifications For Shipper Carton

SIZE	LENGTH (mm)	WIDTH (mm)	HEIGHT (mm)	GROSS WEIGHT (kg)
SIZE 8	430	250	330	11.0
SIZE 9	430	250	330	12.0
SIZE 10	430	250	330	12.5

17. Storage Conditions

The gloves will maintain their properties when stored in dry conditions out of direct sunlight at between 5 to 35°C

18. Shelf Life

The gloves shall retain the above physical properties for a period of 5 years from the date of manufacture when stored in compliance with the above storage conditions before deterioration occurs.