Gorilla Nitro II

Powder Free Co-Polymer Nitrile Examination Glove

Standards:
EN 374-4 : 2019, EN 374-2:2019, EN 16523-1+A1 2018,
EN 455-1:2020, EN 455-3:2015,PROP65,
FOOD CONTACT, IN VITRO CYTOTOXICITY,
SKIN SENSITIZATION, SKIN IRRITATION.

Features:
Powder Free Co-Polymer Nitrile Examination Glove
With Finger Texture
Thickness: 3.2mil, Average weight (Size:L): 5.5gram
Material: Nitrile (NBR)+ Dioctyl Terephthalate + Polyvinyl chloride
Type: Powder Free, Finish: Chlorinated
Quality level (AQL):1.5 (Premium), Length: 230mm (min)
Tensile Strength: 16Mpa (min)
Elongation at break: 450% (min)

Packing:
100 pieces / box
10 packets / carton

Dimension:
Dispenser box: 21.80cm x 11.80cm x 6.00cm
Carton: 31.00cm x 24.60cm x 23.80cm

Carton Weight:
Gross Weight: 6.5 kgs. / carton
Net Weight: 6.0 kgs. / carton

Volume:
CBM 0.018

Origin:
China

LATEX FREE

PROP65

Application:
Transferring liquids and solids
Sample taking and processing
Meat, fish and food processing
Maintenance
Laboratory analysis
Chemical handling

Sizes	Color	Item Code
Medium	Sky Blue	E133602021
Large	Sky Blue	E133602022
X Large	Sky Blue	E133602023

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Physical Properties

Ambidextrous / Smooth / Beaded cuff
Length (cm) = 23 cm min

Size		XS	S	M	L	XL
Palm Width (mm, ±10mm)		75	85	95	105	110
Thickness (mm)	Finger (mm)	0.08+/-0.03				
	Palm (mm)	0.08+/-0.03				

Weight (g,±0.5g): M5.1g

Mechanical Properties

Properties	Before ageing	After ageing
Stretching until the breaking	450% min	400% min
Tensile Strength	16Mpa min	16Mpa min

Bio Compatibility Test:

		Test Report #	Dated
In Vitro Cytotoxicity Test	ISO 10993-5:2009	SSMT-R-2020-03705-01B	06.02.2021
Skin Sensitization Test	ISO 10993-10:2010	SSMT-R-2020-03705-03B	25.01.2021
Skin Irritation Test	ISO 10993-10:2010	SSMT-R-2020-03705-02B	25.01.2021

Testing Facility: Jiangsu Science Standard Medical Testing Co., Ltd.

Prop 65 Test:

	Test Report #	Dated
US California Proposition 65 – Phthalate, Lead, Cadmium content	QDHL2012014069OT	07.01.2021

Testing Facility: SGS Center, Qingdao, Shandong, China.

Food Contact:

	Test Report #	Dated
Overall migration, odor & taste test, migration of phthalates, migration of bisphenol A (BPA), migration of heavy metal, residual VC monomer, Phthalates.	TAOHG2006011201	08.01.2021

Testing Facility: SGS Center, Qingdao, Shandong, China.

Water Tightness Test:

EN 455-1:2020, Report # QDLH2012013919MD

	Unit	Test Method	Requirement	Result	Assessment
Water tightness test	/	EN 455-1 2020 Clause 5.1	Sample quantity:200pcs AQL: 1.5, Ac: 7, Re: 8	Found: 0	Pass

Testing Facility: SGS-CSTC Standards Technical Services Qingdao Co., Ltd.

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Removable Surface Powder:

EN 455-3:2015, Report # QDLH2012013921MD.

	Unit	Test Method	Requirement	Result	Assessment
Removable surface powder	mg	EN 455-3:2015, Clause 4.4 EN ISO 21171:2006	≤2	0.22	Pass

Testing Facility: SGS-CSTC Standards Technical Services Qingdao Co., Ltd.

CHEMICAL TEST DATA:

Chemical Test Data as per BS EN ISO 374 & EN ISO 21420
Report No.: S201213629_1 Dt: 04.03.2021

			Conformity
1	4.2. Aromatic amines derived from azo colorants	ISO 14362-1:2017 (w/o extraction)	Pass
2	4.2. pH-Textile (KCl solution)	ISO 3071:2020	Pass
3	4.2. Polycyclic Aromatic Hydrocarbons (8)	ISO/TS 16190: 2013	Pass
4	5.2. Dexterity	EN ISO 21420:2020	Level 5
5	5.3. Resistance to degradation by chemicals	EN 374-4: 2019	None
6	5.4. Determination of resistance to permeation by chemicals	EN 16523-1+A1 2018	None
7	Air leak test	EN 374-2:2019	Pass
8	Water leak test	EN 374-2:2019	Pass

Complete Glove:

	Method	Client Requirement	Unit	Result	Conformity
5.2. Dexterity					
Smallest diameter of pin fulfilling test condition	EN ISO 21420: 2020		mm	5.0	
Smallest diameter of pin fulfilling test condition (2)			mm	5.0	
Smallest diameter of pin fulfilling test condition (3)			mm	5.0	
Smallest diameter of pin fulfilling test condition (4)			mm	5.0	
Performance level				5	
Air Leak Test					
Glove thickness	EN 374-2:2019	No air bubbles	mm	0.06	Pass
Air pressure used to test			kPa	3.0	
Result				No air bubbles	
Water Leak Test					
Result	EN 374-2:2019	No water leak		No water leak	Pass

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Palm Side of Glove:

	Method	Client Requirement	Unit	Result	Conformity
(+) 4.2. pH - Textile (KCl solution)	ISO 3071:2020				Pass
pH value		3.5< - <9.5		6.6	
4.2. Aromatic amines derived from azo colorants	ISO 14362-1: 2017 (w/o extraction)				Pass
Accessible without fibre extraction		<30	mg/kg	<5	
▲ 4.2. Polycyclic Aromatic Hydrocarbons (8)	ISO/TS 16190: 2013				Pass
Benzo(a)anthracene		<1	mg/kg	<0.1	
Chrysene		<1	mg/kg	<0.1	
Benzo(b)fluoranthene		<1	mg/kg	<0.1	
Benzo(k)fluoranthene		<1	mg/kg	<0.1	
Benzo(a)pyrene		<1	mg/kg	<0.1	
Dibenzo(a.h)anthracene		<1	mg/kg	<0.1	
Benzo(e)pyrene		<1	mg/kg	<0.1	
Benzo(j)fluoranthene		<1	mg/kg	<0.1	

Chemical:
Sodium Hydroxide 40% (K)

	Method	Unit	Result
5.3. Resistance to degradation by chemicals	EN 374-4 : 2019		
Challenge chemical tested			Sodium hydroxyde 40%
Sample degradation by the chemical tested		%	0.2
Sample degradation by the chemical tested (2)		%	-16.8
Sample degradation by the chemical tested (3)		%	-17.9
Degradation - Mean		%	-11.5
Degradation - Standard deviation		%	10.2
Lining			No Lining
Observation			No visible change
5.4. Determination of resistance to permeation by chemicals	EN 16523-1+A1 2018		
Chemical product			Sodium hydroxide 40% (CAS: 1310-73-2)
Collection system			Open-loop
Place of taking samples			Palm
Side in contact with the chemicals for test			External
Collector medium			Liquid (Water)

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	Method	Unit	Result
5.4. Determination of resistance to permeation by chemicals	EN 16523-1+A1 2018		
Flow rate		mL/min	10
Testing temperature		°C	23+/-1
Detector			Conductimetric
Measurement			Periodic
Normalized Breakthrough Time		min	>480
Normalized Breakthrough Time (2)		min	>480
Normalized Breakthrough Time (3)		min	>480
Minimum Normalized Breakthrough Time		min	>480
Normalised permeation rate (NPR)		µg/cm²/min	1
Performance (In accordance to EN374-1 Table1)			6
Observation			Slight swelling

Chemical: Hydrogen peroxide 30% (P)

	Method	Unit	Result
5.3. Resistance to degradation by chemicals	EN 374-4 : 2019		
Challenge chemical tested			Hydrogene peroxide 30%
Sample degradation by the chemical tested		%	-21.0
Sample degradation by the chemical tested (2)		%	-7.7
Sample degradation by the chemical tested (3)		%	-24.0
Degradation - Mean		%	-17.6
Degradation - Standard deviation		%	8.7
Lining			No Lining
Observation			No visible change
5.4. Determination of resistance to permeation by chemicals	EN 16523-1+A1 2018		
Chemical product			Hydrogen peroxide 30% (CAS: 7722-84-1)
Collection system			Closed-loop
Place of taking samples			Palm
Side in contact with the chemicals for test			External
Collector medium			Deionised water
Flow rate			45-65
Testing temperature		mL/min°C	23+/-1
Detector			Electrochemical

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Chemical:
Formaldehyde 37% (T)

	Method	Unit	Result
5.3. Resistance to degradation by chemicals	EN 374-4 : 2019		
Challenge chemical tested			Formaldehyde 37%
Sample degradation by the chemical tested		%	-25.8
Sample degradation by the chemical tested (2)		%	-35.8
Sample degradation by the chemical tested (3)		%	-37.5
Degradation - Mean		%	-33.0
Degradation - Standard deviation		%	6.3
Lining			No Lining
Observation			No visible change
5.4. Determination of resistance to permeation by chemicals	EN 16523-1+A1 2018		

	Method	Unit	Result
Chemical product			Formaldehyde 37% (CAS: 50-00-0)
Collection system			Closed-loop
Place of taking samples			Palm
Side in contact with the chemicals for test			External
Collector medium			Deionised water
Flow rate		mL/min	45-65
Testing temperature		°C	23+/-1
Detector			HPLC-DAD
Measurement			Periodic
Normalized Breakthrough Time		min	Between 6 to 10
Normalized Breakthrough Time (2)		min	Between 6 to 10
Normalized Breakthrough Time (3)		min	Between 6 to 10
Minimum Normalized Breakthrough Time		min	Between 6 to 10
Normalised permeation rate (NPR)		µg/cm²/min	1
Performance (In accordance to EN374-1 Table1)			0
Observation			No Change

Testing Facility: CTC Shanghai

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