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TEST REPORT



中国认可  
国际互认  
检测  
TESTING  
CNAS L0220

Number: GZHT91151314

Date: Nov 01, 2022

Applicant: ZHONGHONG PULIN MEDICAL PRODUCTS  
CO., LTD.  
WEST INDUSTRIAL PARK, BDA, LUANNAN,  
TANGSHAN, 063500 HEBEI, P.R. CHINA

Attn: SHUFAN GONG

Sample Description:

Three Hundreds of Sixty-five (365) pieces of submitted samples said to be Nitrile Exam Gloves in Blue.  
Standard : ASTM D6319-19  
Colour : Blue  
Size : XS, S, M, L, XL, XXL  
Date Received/Date Test Started : Oct. 21, 2022  
Date Final Information Confirmed: --

Test Result Please Refer To Attached Page(S).

Should you have any query on this report, you may contact at [gzfootwear@intertek.com](mailto:gzfootwear@intertek.com)

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1 Physical Dimensions (ASTM D6319-19, 7.4 & ASTM D3767-03(2020))

Results		Requirement			Pass/Fail
Physical Performance	Numbers Of Failure	Physical Performance	AQL	n [Ac Re]	-
See Test Data	0	Size: XS Width: (70±10) mm Length: Min. 220 mm Finger Thickness: Min. 0.05 mm Palm Thickness: Min. 0.05 mm	4.0	13 (1 2)	Pass

Results		Requirement			Pass/Fail
Physical Performance	Numbers Of Failure	Physical Performance	AQL	n [Ac Re]	-
See Test Data	0	Size: S Width: (80±10) mm Length: Min. 220 mm Finger Thickness: Min. 0.05 mm Palm Thickness: Min. 0.05 mm	4.0	13 (1 2)	Pass

Results		Requirement			Pass/Fail
Physical Performance	Numbers Of Failure	Physical Performance	AQL	n [Ac Re]	-
See Test Data	0	Size: M Width: (95±10) mm Length: Min. 230 mm Finger Thickness: Min. 0.05 mm Palm Thickness: Min. 0.05 mm	4.0	13 (1 2)	Pass





Physical Dimensions (Cont)

Results		Requirement			Pass/Fail
Physical Performance	Numbers Of Failure	Physical Performance	AQL	n [Ac Re]	-
See Test Data	0	Size: L Width: (110±10) mm Length: Min. 230 mm Finger Thickness: Min. 0.05 mm Palm Thickness: Min. 0.05 mm	4.0	13 (1 2)	Pass

Results		Requirement			Pass/Fail
Physical Performance	Numbers Of Failure	Physical Performance	AQL	n [Ac Re]	-
See Test Data	0	Size: XL Width: (120±10) mm Length: Min. 230 mm Finger Thickness: Min. 0.05 mm Palm Thickness: Min. 0.05 mm	4.0	13 (1 2)	Pass

Results		Requirement			Pass/Fail
Physical Performance	Numbers Of Failure	Physical Performance	AQL	n [Ac Re]	-
See Test Data	0	Size: XXL Width: (130±10) mm Length: Min. 230 mm Finger Thickness: Min. 0.05 mm Palm Thickness: Min. 0.05 mm	4.0	13 (1 2)	Pass



Physical Dimensions (Cont)

Test Data:

Size	Specimen	Width (mm)	Length (mm)	Finger Thickness (mm)	Palm Thickness (mm)
XS	1	78	245	0.088	0.053
	2	77	244	0.090	0.059
	3	78	248	0.097	0.055
	4	77	243	0.087	0.057
	5	78	243	0.080	0.055
	6	77	249	0.098	0.059
	7	77	243	0.086	0.058
	8	77	248	0.094	0.057
	9	78	243	0.089	0.060
	10	78	248	0.092	0.058
	11	78	245	0.089	0.059
	12	77	247	0.082	0.052
	13	78	243	0.085	0.055

Size	Specimen	Width (mm)	Length (mm)	Finger Thickness (mm)	Palm Thickness (mm)
S	1	85	242	0.091	0.053
	2	84	241	0.087	0.057
	3	84	240	0.089	0.055
	4	85	240	0.086	0.059
	5	84	244	0.086	0.058
	6	84	243	0.084	0.059
	7	83	240	0.098	0.057
	8	84	242	0.080	0.059
	9	85	241	0.090	0.059
	10	84	239	0.087	0.055
	11	85	240	0.088	0.058
	12	85	242	0.092	0.059
	13	84	239	0.094	0.053





Physical Dimensions (Cont)

Size	Specimen	Width (mm)	Length (mm)	Finger Thickness (mm)	Palm Thickness (mm)
M	1	97	245	0.101	0.056
	2	97	248	0.095	0.057
	3	97	245	0.093	0.057
	4	95	247	0.099	0.054
	5	98	247	0.091	0.057
	6	97	249	0.092	0.054
	7	97	250	0.093	0.056
	8	98	248	0.095	0.054
	9	97	247	0.095	0.055
	10	97	250	0.095	0.055
	11	98	246	0.096	0.055
	12	96	246	0.087	0.059
	13	97	247	0.098	0.053

Size	Specimen	Width (mm)	Length (mm)	Finger Thickness (mm)	Palm Thickness (mm)
L	1	105	250	0.100	0.057
	2	106	252	0.105	0.058
	3	106	249	0.096	0.060
	4	105	253	0.102	0.059
	5	106	249	0.095	0.056
	6	106	250	0.104	0.057
	7	107	245	0.098	0.058
	8	106	248	0.097	0.057
	9	105	247	0.091	0.056
	10	106	247	0.094	0.057
	11	106	250	0.101	0.054
	12	105	250	0.098	0.055
	13	105	247	0.103	0.056





Physical Dimensions (Cont)

Size	Specimen	Width (mm)	Length (mm)	Finger Thickness (mm)	Palm Thickness (mm)
XL	1	112	246	0.102	0.059
	2	112	246	0.113	0.059
	3	112	246	0.104	0.061
	4	113	244	0.109	0.060
	5	113	244	0.111	0.060
	6	113	244	0.113	0.063
	7	113	242	0.118	0.058
	8	112	241	0.121	0.057
	9	113	246	0.117	0.058
	10	112	245	0.117	0.058
	11	113	243	0.115	0.061
	12	114	243	0.119	0.057
	13	113	243	0.117	0.058

Size	Specimen	Width (mm)	Length (mm)	Finger Thickness (mm)	Palm Thickness (mm)
XXL	1	122	246	0.103	0.063
	2	124	245	0.099	0.062
	3	124	249	0.103	0.060
	4	125	243	0.100	0.062
	5	124	248	0.098	0.063
	6	124	248	0.096	0.064
	7	124	248	0.098	0.062
	8	124	252	0.105	0.061
	9	124	248	0.101	0.067
	10	122	244	0.108	0.062
	11	123	249	0.101	0.062
	12	123	248	0.105	0.060
	13	125	250	0.096	0.060

Remark: n Means Sample Size, Ac Means Acceptance Number, Re Means Rejection Number.





2 Freedom From Holes (ASTM D6319-19, 7.3 & ASTM D5151-19)

Results			Requirement			Pass/Fail
Glove Size (Sample Size)	Physical Performance	Numbers Of Failure	Physical Performance	AQL	n [Ac Re]	-
M (200)	Water Leakage	6	No Leakage	2.5	200 (10 11)	Pass

Remark: n Means Sample Size, Ac Means Acceptance Number, Re Means Rejection Number.

3 Physical Requirements Before Aging (ASTM D6319-19, 7.5 & ASTM D412-16(2021))

Results		Requirement			Pass/Fail
Physical Performance	Numbers Of Failure	Physical Performance	AQL	n [Ac Re]	-
See Test Data	0	Tensile Strength Min. 14 MPa  Ultimate Elongation Min. 500%	4.0	13 (1 2)	Pass

Test Data:

Condition	Size	Sample	Results	
			Tensile Strength (MPa)	Ultimate Elongation (%)
Before Aging	M	1	31.4	520
		2	34.4	544
		3	34.2	532
		4	34.7	544
		5	35.0	540
		6	33.6	560
		7	30.3	524
		8	30.0	540
		9	37.8	560
		10	33.9	548
		11	34.4	540
		12	34.4	540
		13	38.6	560

Remark: n Means Sample Size, Ac Means Acceptance Number, Re Means Rejection Number.





4 Physical Requirements After Accelerated Aging (ASTM D6319-19, 7.5 & ASTM D412-16(2021) & ASTM D573-04(2019))

Results		Requirement			Pass/Fail
Physical Performance	Numbers Of Failure	Physical Performance	AQL	n [Ac Re]	-
See Test Data	0	Tensile Strength Min. 14 MPa  Ultimate Elongation Min. 400%	4.0	13 (1 2)	Pass

Test Data:

Condition	Size	Sample	Results	
			Tensile Strength (MPa)	Ultimate Elongation (%)
After Accelerated Aging (70°C For 166 h)	M	1	33.1	520
		2	37.2	540
		3	30.8	500
		4	41.4	544
		5	37.2	540
		6	38.1	540
		7	36.7	540
		8	39.2	540
		9	38.3	548
		10	36.4	528
		11	35.6	520
		12	33.9	528
		13	34.7	532

Remark: n Means Sample Size, Ac Means Acceptance Number, Re Means Rejection Number.

5 Powder Residue For Powder Free Gloves (ASTM D6319-19, 7.6 & ASTM D6124-06(2017))

Size	Result	Requirement	Pass/Fail
(M)	0.7 mg	Max. 2.0 mg	Pass







End Of Report

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**Remark:**

1. As Requested by the Applicant, For Details Refer to Attached Page (s).
2. All the tested item are tested under the standard condition.
3. The report is valid with commission test only for the test samples in the case of delivering samples by clients.

