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中国认可  
国际互认  
检测  
TESTING  
CNAS L4577

## TEST REPORT

### 测试报告

Page 页码 1/6

Report No. 报告号码: S200808403\_1

2020-08-25

APPLICANT 申请公司: RAXWELL INDUSTRIAL TECHNOLOGY  
(SHANGHAI) CO. LTD 瑞氟维尔工业科技(上海)有限公司 (C41441)

3501, 5F SUNPLUS BUILDING, NO. 1077  
ZUCHONGZHI DD PUDONG NEW DISTRICT  
上海市浦东新区祖冲之路1077号凌阳大厦5楼3501  
SHANGHAI  
CHINA

Date of receipt 收样日期 : 2020-08-20

Testing period 测试周期 : 2020-08-20

: 2020-08-25

Buyer 买家: —

Sample description 样品描述: RX2440Raxwell 尼龙针织 PU 工作手套, 掌浸/RX2440Raxwell Nylon Knit Glove with Palm-Dipped Polyurethane Coating

Style / Article no. 款号 : RW2440

Test(s) requested 测试要求 : —

Service 服务类型 : REGULAR 普通件

Brand / Section 品牌 : —

Season 季节 : —

End use 最终用途 : —

Factory name 工厂名称 : —

Factory code 工厂代码 : —

For CE Marking : Yes

Previous report 前测试报告号码 : —

Product category 产品类别 : —

Product type 产品类型 : —

Test stage 测试阶段 : FIRST TEST

Supplier name 供应商名称 : —

Exported to 出口到 : —

### 1. Conclusion 测试结论:

	Tests description 测试名称	Conformity 符合性
1	4.1. Abrasion resistance : 2016耐摩擦性能	Level 3
2	4.1. Puncture resistance: 2016耐穿刺性能	Level 1
3	4.1. Tear strength resistance: 2016耐撕裂性能	Level 3
4	4.2. Aromatic amines derived from azo colorants 偶氮染料衍生的芳香胺	Pass 通过
5	4.2. Dimethylformamide (DMF/DMFo/DMFa) 二甲基甲酰胺	Pass 通过
6	4.2. pH - Textile (KCl solution) pH值-纺织品 (氯化钾溶液)	Pass 通过
7	4.2. Polycyclic Aromatic Hydrocarbons (8) 多环芳香烃	Pass 通过
8	5.2. Dexterity 灵活性	Level 5

Pass: requirements met 通过: 符合要求    Fail: requirements not met 失败: 不符合要求    None: no requirement for this test 无: 没有要求    N/A: not applicable N/A: 不适用

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判定该检测报告符合性情况时，未考虑与测试结果相关的测量不确定度。



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Approved by



Henry YAN  
Laboratory Manager



Yvonne MAO  
Senior Analytical Chemical Engineer

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### 2. Sample description assigned by laboratory 实验室样品描述:

Size 码数	Analyzed product 所测样品	Description 描述	Sample information 样品信息
	GLOVE	Whole glove white PU palm white nylon back white/orange nylon/elastics cuff	



200808403

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### 3. GLOVE/

#### Whole glove

	Method 方法	Client Requirement 客户要求	Unit 单位	Result 结果	Conformity 符合性
<b>▲ 4.2. Dimethylformamide (DMF/DMFo/DMFa)二甲基甲酰胺</b>  Dimethylformamide Dimethylformamide (2) Dimethylformamide - average	EN 16778: 2016	<1000	mg/kg	24.5	Pass 通过
			mg/kg	23.0	
			mg/kg	23.8	
<b>5.2. Dexterity 灵活性</b>  Smallest diameter of pin fulfilling test condition 能捡起的针的最小直径 Smallest diameter of pin fulfilling test condition 能捡起的针的最小直径 (2) Smallest diameter of pin fulfilling test condition 能捡起的针的最小直径 (3) Smallest diameter of pin fulfilling test condition 能捡起的针的最小直径 (4) Performance level 性能等级	EN ISO 21420: 2020		mm	5.0	
			mm	5.0	
			mm	5.0	
			mm	5.0	
				5	

#### white PU palm

	Method 方法	Client Requirement 客户要求	Unit 单位	Result 结果	Conformity 符合性
<b>(+) 4.1. Abrasion resistance : 2016耐摩擦性能</b>  Deviation from the test method 偏离方法 used consumables - abrasive 使用耗材 - 砂纸 used consumables - adhesive 使用耗材 - 胶带 Number of cycles at the hole detection 检测到破洞的圈数 Number of cycles at the hole detection 检测到破洞的圈数 (2) Number of cycles at the hole detection 检测到破洞的圈数 (3) Number of cycles at the hole detection 检测到破洞的圈数 (4) Performance level 性能等级	EN 388:2016 + A1:2018			No  Klingspor PL31B Grit 180  3M Scotch  2500  3200  2800  2700  3	

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	Method 方法	Client Requirement 客户要求	Unit 单位	Result 结果	Conformity 符合性
(+) 4.1. Tear strength resistance: 2016耐撕裂性能  Tear strength撕裂力 Tear strength撕裂力 (2) Tear strength撕裂力 (3) Tear strength撕裂力 (4) Performance level性能等级	EN 388:2016 + A1:2018		N N N N N	>75 >75 65 72 3	
(+) 4.1. Puncture resistance: 2016耐穿刺性能  Puncture resistance耐穿刺力 Puncture resistance耐穿刺力 (2) Puncture resistance耐穿刺力 (3) Puncture resistance耐穿刺力 (4) Performance level性能等级	EN 388:2016 + A1:2018		N N N N N	39 31 40 34 1	
(+) 4.2. pH - Textile (KCl solution) pH值-纺织品 (氯化 钾溶液)  pH value pH值	ISO 3071:2020	3.5< - <9.5		7.5	Pass通过
▲ 4.2. Polycyclic Aromatic Hydrocarbons (8)多环芳香烃  Benzo(a)anthracene苯并(a)蒽 Chrysene䓛 Benzo(b)fluoranthene苯并(b)荧蒽 Benzo(k)fluoranthene苯并(k)荧蒽 Benzo(a)pyrene苯并(a)芘 Dibenz(a,h)anthracene二苯并(a, h)蒽 Benzo(e)pyrene苯并(e)芘 Benzo(j)fluoranthene苯并(j)荧蒽	ISO/TS 16190: 2013	<1 <1 <1 <1 <1 <1 <1 <1	mg/kg mg/kg mg/kg mg/kg mg/kg mg/kg mg/kg	<0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1	Pass通过

white nylon back

	Method 方法	Client Requirement 客户要求	Unit 单位	Result 结果	Conformity 符合性
(+) 4.2. pH - Textile (KCl solution) pH值-纺织品 (氯化 钾溶液)  pH value pH值	ISO 3071:2020	3.5< - <9.5		7.4	Pass通过

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white/orange nylon/elastics cuff

	Method 方法	Client Requirement 客户要求	Unit 单位	Result 结果	Conformity 符合性
(+) 4.2. pH - Textile (KCl solution) pH值-纺织品 (氯化钾溶液) pH value pH值	ISO 3071:2020	3.5< - <9.5		7.4	Pass 通过
4.2. Aromatic amines derived from azo colorants 偶氮染料衍生的芳香胺 Accessible with fibre extraction 纤维萃取法	ISO 14362-1:2017 (w/extraction)	<30	mg/kg	<5	Pass 通过

### END OF TEST REPORT

- 报告末页 -

(+) CNAS accreditation CNAS 认可

▲ The test was carried out by external accredited laboratory under their accreditation scope. 该项目在分包实验室获认可的能力范围之内。

Table of Performance Level for Glove

Test Item	Performance Level					
	0##	1	2	3	4	5
Abrasion Resistance (EN 388) Number of cycles (minimum)	<100	100	500	2000	8000	---
Tear Resistance (EN 388) Force (N) (minimum)	<10	10	25	50	75	---
Puncture Resistance (EN 388) Force (N) (minimum)	<20	20	60	100	150	---

## Performance level 0 means the glove falls below the minimum performance level for the given individual hazard

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