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TEST REPORT 测试报告

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Report No. 报告号码: S200808407_1

2020-08-25

Franky YANG / franky_yang@raxwell.cn

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

3501, 5F SUNPLUS BUILDING, NO. 1077
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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 : 2020-08-24

: 2020-08-25

Buyer 买家: —

Sample description 样品描述: RW2444Raxwell 尼龙针织 PU 工作手套, 指浸/RW2444Raxwell Nylon Knit Glove with Finger-Dipped Polyurethane Coating

Style / Article no. 款号 : RW2444

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 产品类目 : —

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
EN ISO 21420/EN 388		
1	Abrasion resistance : 2016 耐摩擦性能	Pass 通过
2	Tear strength resistance:2016 耐撕裂性能	Pass 通过
3	Puncture resistance: 2016 耐穿刺性能	Pass 通过
4	pH - Textile (KCl solution) pH值-纺织品 (氯化钾溶液)	Pass 通过
5	Dimethylformamide (DMF/DMFo/DMFa) 二甲基甲酰胺	Pass 通过
6	Polycyclic Aromatic Hydrocarbons (8) 多环芳香烃	Pass 通过
7	Dexterity 灵活度	Level 5

	Tests description 测试名称	Conformity 符合性
8	Aromatic amines derived from azo colorants 偶氮染料衍生的芳香胺	Pass 通过
8	pH - Textile (KCl solution) pH值-纺织品 (氯化钾溶液)	Pass 通过

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

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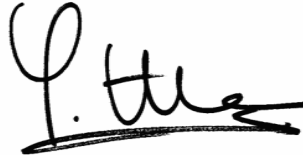
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Approved by



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 nylon palm white PU finger green/white nylon/elastics cuff	



200808407

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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
5.2. Dexterity 灵活度	EN ISO 21420: 2020				
Smallest diameter of pin fulfilling test condition 能捡起的针的最小直径			mm	5.0	
Smallest diameter of pin fulfilling test condition 能捡起的针的最小直径 (2)			mm	5.0	
Smallest diameter of pin fulfilling test condition 能捡起的针的最小直径 (3)			mm	5.0	
Smallest diameter of pin fulfilling test condition 能捡起的针的最小直径 (4)			mm	5.0	
Performance level 性能等级				5	

white nylon palm

	Method 方法	Client Requirement 客户要求	Unit 单位	Result 结果	Conformity 符合性
(+) 4.1. Abrasion resistance : 2016 耐摩擦性能	EN 388:2016 + A1:2018				
Deviation from the test method 偏离方法				No	
used consumables - abrasive 使用耗材 - 砂纸				Klingspor PL31B Grit 180	
used consumables - adhesive 使用耗材 - 胶带				3M Scotch	
Number of cycles at the hole detection 检测到破洞的圈数				200	
Number of cycles at the hole detection 检测到破洞的圈数 (2)				200	
Number of cycles at the hole detection 检测到破洞的圈数 (3)				200	
Number of cycles at the hole detection 检测到破洞的圈数 (4)				200	
Performance level 性能等级				1	
(+) 4.1. Tear strength resistance: 2016 耐撕裂性能	EN 388:2016 + A1:2018				
Tear strength 撕裂力			N	75	
Tear strength 撕裂力 (2)			N	>75	
Tear strength 撕裂力 (3)			N	64	
Tear strength 撕裂力 (4)			N	72	

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	Method 方法	Client Requirement 客户要求	Unit 单位	Result 结果	Conformity 符合性
Performance level性能等级				3	
(+) 4.1. Puncture resistance: 2016耐穿刺性能	EN 388:2016 + A1:2018				
Puncture resistance耐穿刺力			N	45	
Puncture resistance耐穿刺力 (2)			N	35	
Puncture resistance耐穿刺力 (3)			N	44	
Puncture resistance耐穿刺力 (4)			N	37	
Performance level性能等级				1	
(+) 4.2. pH - Textile (KCl solution) pH值-纺织品 (氯化钾溶液)	ISO 3071:2020				Pass通过
pH value pH值		3.5< - <9.5		7.3	

white PU finger

	Method 方法	Client Requirement 客户要求	Unit 单位	Result 结果	Conformity 符合性
• 4.2. Dimethylformamide (DMF/DMFo/DMFa)二甲基甲酰胺	CTC in house				Pass通过
Dimethylformamide		<1000	mg/kg	22.4	
▲ 4.2. Polycyclic Aromatic Hydrocarbons (8)多环芳香烃	ISO/TS 16190: 2013				Pass通过
Benzo(a)anthracene 苯并(a)蒽		<1	mg/kg	<0.1	
Chrysene 屈		<1	mg/kg	<0.1	
Benzo(b)fluoranthene 苯并(b)荧蒽		<1	mg/kg	<0.1	
Benzo(k)fluoranthene 苯并(k)荧蒽		<1	mg/kg	<0.1	
Benzo(a)pyrene 苯并(a)芘		<1	mg/kg	<0.1	
Dibenzo(a,h)anthracene 二苯并(a,h)蒽		<1	mg/kg	<0.1	
Benzo(e)pyrene 苯并(e)芘		<1	mg/kg	<0.1	
Benzo(j)fluoranthene 苯并(j)荧蒽		<1	mg/kg	<0.1	
(+) pH - Textile (KCl solution) pH值-纺织品 (氯化钾溶液)	ISO 3071:2020				Pass通过
pH value pH值		3.5< - <9.5		7.6	

green/white nylon/elastics cuff

	Method 方法	Client Requirement 客户要求	Unit 单位	Result 结果	Conformity 符合性

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	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		7.2	Pass通过
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 Accessible without fibre extraction非纤维萃取法	ISO 14362-1:2017 (combined extraction)	<30 <30	mg/kg mg/kg	<5 <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。
- The test was carried out by external accredited laboratory, not within their accreditation scope. 该项目在分包实验室获认可的能力范围之外。

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	---
Finger dexterity (EN ISO 21420) Smallest diameter of pin fulfilling test conditions (mm)	---	11.0	9.5	8.0	6.5	5.0

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

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