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中国认可
国际互认
检测
TESTING
CNAS L4577

TEST REPORT 测试报告

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Date of Issue 签发日期

Report No. 报告号码: S210403377_1

2021-04-30

APPLICANT 申请公司: PROTECTIVE INDUSTRIAL PRODUCTS HONG KONG LTD., (C06226)

FLAT 1-11,
6/F KAR WAH INDUSTRIAL BUILDING
8 LEUNG YIP STREET
. YUEN LONG, N. T HONGKONG
CHINA

Date of receipt 收样日期 : 2021-04-23

Testing period 测试周期 : 2021-04-26

: 2021-04-30

Buyer 买家: —

Style / Article no. 款号 : 16-561

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	Level 4
2	pH - Textile (KCl solution) pH值-纺织品 (氯化钾溶液)	Pass 通过
3	Aromatic amines derived from azo colorants 偶氮染料衍生的芳香胺	Pass 通过
4	Dimethylformamide (DMF/DMFo/DMFa) 二甲基甲酰胺	Pass 通过
5	Dexterity 灵活度	Level 5
6	Phthalates 邻苯二甲酸酯	Pass 通过

Pass: requirements met 通过: 符合要求 Fail: requirements not met 未通过: 不符合要求 None: no conclusion for this test 未作判定 N/A: not applicable N/A: 不适用

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To conclude the conformity to the requirement, the uncertainty of measurement associated to the test results has not been taken into account.

该报告由CTC上海出具, 并遵循本实验室所列之基本条款。该报告中的检测结果仅对送检样品有效。若无特殊要求, CTC上海对所测样品的保存期限为3个月。该检测报告应全文引用, 未经本实验室的书面许可, 任何个人或第三方不得擅自复制使用。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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APPLICANT 申请公司: PROTECTIVE INDUSTRIAL PRODUCTS HONG
KONG LTD., (C06226)

Approved by

Henry YAN 严滨

Laboratory Manager

Yvonne MAO 茅璇怡

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整只手套 black PU (high performance polyethylene/nylon/spandex/glass fiber) palm手掌	



210403377

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3. GLOVE/

Whole glove整只手套

	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 Dimethylformamide二甲基甲酰胺 Dimethylformamide二甲基甲酰胺 (2) Dimethylformamide - average二甲基甲酰胺 - 平均值	EN 16778: 2016	<1000	mg/kg mg/kg mg/kg	548.9 535.9 542.4	Pass通过
(+) 5.2. Dexterity灵活度 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 mm mm mm	5.0 5.0 5.0 5.0 5	

black PU(high performance polyethylene/nylon/spandex/glass fiber) palm手掌

	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 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)	EN 388:2016 + A1:2018			No Klingspor PL31B Grit 180 3M Scotch >8000 >8000 >8000	

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	Method 方法	Client Requirement 客户要求	Unit 单位	Result 结果	Conformity 符合性
Number of cycles at the hole detection 检测到破洞的圈数 (4)				>8000	
Performance level 性能等级				4	
(+) 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		6.6	
(+) 4.2. Aromatic amines derived from azo colorants 偶氮染料衍生的芳香胺	ISO 14362-1:2017 (combined extraction)				Pass 通过
Accessible with fibre extraction 纤维萃取法		<30	mg/kg	<5	
Accessible without fibre extraction 非纤维萃取法		<30	mg/kg	<5	
Phthalates 邻苯二甲酸酯	CEN ISO TS 16181 : 2011				Pass 通过
BBP . Butyl benzyl phthalate		<0.1	%	<0.0025	
DBP . Di-butyl phthalate		<0.1	%	<0.0025	
DEHP . Di-(2-ethylhexyl) phthalate		<0.1	%	<0.0025	
DIBP . Di-iso-butyl phthalate		<0.1	%	<0.0025	

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。

Unless otherwise specified, the physical test items in this report performed in CTC Shanghai lab were conditioned and tested in the environment of T 23±2°C / RH 50±4%.

除非特别说明, 本报告中在CTC上海进行的物理测试项目都在此环境下完成预平衡及测试 T 23±2° C / RH 50±4%。

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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	---
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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