

南京易通纺织科技有限公司
南京市江宁区科宁路 789 号

本报告是发布日期为 2017 年 04 月 27 日编号为 SL517052176609TX 英文检测报告的中文译本。

下列样品由客户提供及确认为: -

样品描述 反光布: 100%涤纶 银色
款号 UT-1002N
使用标签 -

检验项目 根据申请者的要求

* * * *

收样日期 2017 年 04 月 13 日

测试周期 2017 年 04 月 13 日-2017 年 04 月 27 日

测试结果 检测结果仅对测试样负责, 详细的检验结果如下

通标标准技术服务(上海)有限公司
授权代表签署

陈蔚

陈蔚(客户主任)



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检验结果

高可视性服装 – 测试方法和要求
(EN ISO 20471:2013)

6.1 & 7.3: 单一性能反光材料的逆反射性能

入射角	观测角	逆反射系数 测量值 ($\text{cd}/(\text{lx}\cdot\text{m}^2)$)	方向敏感 (是/否)	最小要求 ($\text{cd}/(\text{lx}\cdot\text{m}^2)$)	结论 (合格/不合格)
5°	12'	425	否	330	合格
	20'	276	否	250	合格
	1°	46.6	否	25	合格
	1°30'	16.2	否	10	合格
20°	12'	425	否	290	合格
	20'	275	否	200	合格
	1°	46.3	否	15	合格
	1°30'	15.2	否	7	合格
30°	12'	416	否	180	合格
	20'	274	否	170	合格
	1°	46.5	否	12	合格
	1°30'	15.3	否	5	合格
40°	12'	395	否	65	合格
	20'	262	否	60	合格
	1°	43.4	否	10	合格
	1°30'	14.5	否	4	合格

(#) 备注:

- 1.如果材料在旋转角分别为 $\epsilon=0^\circ$ 和 $\epsilon=90^\circ$ 时的逆反射系数相差超过 15%，定义为方向敏感材料
- 2.在 0° 和 90° 其中一个旋转角条件下测量反光材料的反光性能时，方向敏感材料应满足 EN ISO 20471 表 4 中所规定的最小逆反射系数值要求。在另一个旋转角条件测量时，方向敏感性材料的逆反射系数值应不低于表 4 所规定值（单一性能反光材料的最低逆反射系数）的 75%。



表 4: 单一性能反光材料最小逆反射系数值 (单位为坎德拉每勒克司平方米 $\text{cd}/(\text{lx}\cdot\text{m}^2)$)

观测角	入射角 β_1 ($\beta_2 = 0$)			
	5°	20°	30°	40°
12'	330	290	180	65
20'	250	200	170	60
1°	25	15	12	10
1°30'	10	7	5	4

单一性能反光材料的逆反射性能
6.2, 7.3 & 7.4.1 耐磨后逆反射性能

入射角	观测角	逆反射系数测量值 ($\text{cd}/(\text{lx}\cdot\text{m}^2)$)	方向敏感 (是/否)	最小要求 ($\text{cd}/(\text{lx}\cdot\text{m}^2)$)	结论 (合格/不合格)
5°	12'	354	否	100	合格

6.2, 7.3 & 7.4.2 屈挠后逆反射性能

入射角	观测角	逆反射系数测量值 ($\text{cd}/(\text{lx}\cdot\text{m}^2)$)	方向敏感 (是/否)	最小要求 ($\text{cd}/(\text{lx}\cdot\text{m}^2)$)	结论 (合格/不合格)
5°	12'	430	否	100	合格

6.2, 7.3 & 7.4.3 低温弯曲后逆反射性能

入射角	观测角	逆反射系数测量值 ($\text{cd}/(\text{lx}\cdot\text{m}^2)$)	方向敏感 (是/否)	最小要求 ($\text{cd}/(\text{lx}\cdot\text{m}^2)$)	结论 (合格/不合格)
5°	12'	426	否	100	合格

6.2, 7.3 & 7.4.4 温度变化后逆反射性能

入射角	观测角	逆反射系数测量值 ($\text{cd}/(\text{lx}\cdot\text{m}^2)$)	方向敏感 (是/否)	最小要求 ($\text{cd}/(\text{lx}\cdot\text{m}^2)$)	结论 (合格/不合格)
5°	12'	424	否	100	合格



6.2, 7.3 & 7.4.5 淋雨状态下逆反射性能

入射角	观测角	逆反射系数测量值 (cd/(lx.m ²))	方向敏感 (是/否)	最小要求 (cd/(lx.m ²))	结论 (合格/不合格)
5°	12'	280	否	100	合格

6.2, 7.3 & 7.5.2 水洗后逆反射性能
5次水洗后

(ISO 6330: 2012:洗涤程序 6N: 用前装料水平滚筒洗衣机, 总配重2kg (类型III (100% 涤) 陪洗物 /+ 样品) 在 60°C 机洗, 用'ECE' (A)洗涤剂+TAED + 过硼酸钠, 晾干。

入射角	观测角	逆反射系数测量值 (cd/(lx.m ²))	方向敏感 (是/否)	最小要求 (cd/(lx.m ²))	结论 (合格/不合格)
5°	12'	385	否	100	合格

10次水洗后

(ISO 6330: 2012:洗涤程序 6N: 用前装料水平滚筒洗衣机, 总配重2kg (类型III (100% 涤) 陪洗物 /+ 样品) 在 60°C 机洗, 用'ECE' (A)洗涤剂+TAED + 过硼酸钠, 晾干。

入射角	观测角	逆反射系数测量值 (cd/(lx.m ²))	方向敏感 (是/否)	最小要求 (cd/(lx.m ²))	结论 (合格/不合格)
5°	12'	340	否	100	合格

25次水洗后

(ISO 6330: 2012:洗涤程序 6N: 用前装料水平滚筒洗衣机, 总配重2kg (类型III (100% 涤) 陪洗物 /+ 样品) 在 60°C 机洗, 用'ECE' (A)洗涤剂+TAED + 过硼酸钠, 晾干。

入射角	观测角	逆反射系数测量值 (cd/(lx.m ²))	方向敏感 (是/否)	最小要求 (cd/(lx.m ²))	结论 (合格/不合格)
5°	12'	312	否	100	合格



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30次水洗后

(ISO 6330: 2012:洗涤程序 6N: 用前装料水平滚筒洗衣机, 总配重2kg (类型III (100% 涤) 陪洗物 /+ 样品) 在 60°C 机洗, 用'ECE' (A)洗涤剂+TAED + 过硼酸钠, 晾干。

入射角	观测角	逆反射系数测量值 (cd/(lx.m ²))	方向敏感 (是/否)	最小要求 (cd/(lx.m ²))	结论 (合格/不合格)
5°	12'	304	否	100	合格

40次水洗后

(ISO 6330: 2012:洗涤程序 6N: 用前装料水平滚筒洗衣机, 总配重2kg (类型III (100% 涤) 陪洗物 /+ 样品) 在 60°C 机洗, 用'ECE' (A)洗涤剂+TAED + 过硼酸钠, 晾干。

入射角	观测角	逆反射系数测量值 (cd/(lx.m ²))	方向敏感 (是/否)	最小要求 (cd/(lx.m ²))	结论 (合格/不合格)
5°	12'	250	否	100	合格

50次水洗后

(ISO 6330: 2012:洗涤程序 6N: 用前装料水平滚筒洗衣机, 总配重2kg (类型III (100% 涤) 陪洗物 /+ 样品) 在 60°C 机洗, 用'ECE' (A)洗涤剂+TAED + 过硼酸钠, 晾干。

入射角	观测角	逆反射系数测量值 (cd/(lx.m ²))	方向敏感 (是/否)	最小要求 (cd/(lx.m ²))	结论 (合格/不合格)
5°	12'	234	否	100	合格

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