

亚什兰(中国)投资有限公司

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此报告是报告号为 **AJD201106333** 的中文译本, 如中英文有差异, 概以英文为准。

以下测试样品为客户提供并确认:

产品描述: 玻璃钢制品

型号: 树脂: MODAR 102F 胶衣: MAXGUARD SRI1000S

测试要求:

根据 "DIN 54837:2007 轨道车辆用材料、小型部件和组合部件的测试—用气体燃烧器测定燃烧特性" 测定样品的燃烧性能。

分级根据 DIN 5510-2:2009 轨道车辆防火保护 第 2 部分: 材料及部件的燃烧特性和燃烧伴生现象; 分级、要求和测试方法。

测试结果: -- 参见数据附表 --

燃烧级别: 根据 DIN 5510-2: 2009 中给定的分级要求, 该测试试样级别如下:

燃烧等级: S-4

烟雾等级: SR-2


滴落物等级: ST-2

测试持续时间

样品收到日期 : 2011 年 12 月 26 日

测试执行时间 : 2011 年 12 月 26 日 至 2011 年 12 月 28 日

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郭石龙
技术主管

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I. 测试程序

本测试按照 DIN 54837:2007 轨道车辆用材料、小型部件和组合部件的测试—用气体燃烧器测定燃烧特性规定的程序进行。

II. 样品信息

| | |
|------|-------------|
| 材料 | 玻璃钢制品 |
| 厚度 | 大约 4mm |
| 颜色 | 白色 |
| 试样尺寸 | 500mm×190mm |

III. 测试条件

预处理

测试前, 试样在温度为 23 ± 2 °C和相对湿度为 50 ± 6 %环境中调节至质量平衡, 保持在此环境中至到测试。

暴露面:

光滑面

IV. 试验结果

| | | 样品编号 | | | | | 平均值 |
|------------|-------|------|-----|-----|-----|-----|-------|
| | | 1 | 2 | 3 | 4 | 5 | |
| 测试材料被点燃在 | (秒)后 | 15 | 15 | 13 | 14 | 13 | 14 |
| 测试材料继续燃烧 | (秒) | 1 | 2 | 6 | 2 | 2 | 2.6 |
| 无焰燃烧 | 出现在 | 181 | 182 | 186 | 182 | 182 | 182.6 |
| | 持续时间 | 17 | 15 | 20 | 15 | 13 | 16 |
| 火焰高度 | 最大高度 | 33 | 32 | 33 | 33 | 31 | 32.4 |
| | 出现时间 | 135 | 127 | 140 | 143 | 137 | 136.4 |
| 测试材料滴落物 | 滴落物 | 否 | 否 | 否 | 否 | 否 | - |
| | 燃烧时间 | - | - | - | - | - | - |
| 烟体浓度 | 最大程度 | 12 | 12 | 11 | 13 | 12 | 12 |
| | 出现时间 | 185 | 187 | 186 | 188 | 185 | 186.2 |
| | 光弱化积分 | 16 | 16 | 15 | 17 | 16 | 16 |
| 被损毁烧焦区域的长度 | (厘米) | 15 | 16 | 17 | 15 | 16 | 15.8 |
| 测试材料熄灭在 | (秒)后 | - | - | - | - | - | - |
| 测试材料被烧穿 | | 否 | 否 | 否 | 否 | 否 | - |
| 测试材料被烧溶 | | 否 | 否 | 否 | 否 | 否 | - |

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备注: “—” 不适合

试验现象: 无

DIN 5510-2:2009 指定的分级要求见附录 1。

附录1 DIN 5510-2:2009 燃烧分级要求

| 可燃分级 | | 烟雾生成分级 | | 滴落物生成分级 | |
|------|---------------------------------------|-----------|--------------------|---------|----------------------|
| 分级 | 要求 | 分级 | 要求 | 分级 | 要求 |
| S-1 | 按照 DIN 53438-2/3 要求 | — | — | — | — |
| S-2 | 损毁长度≤30 cm | 没有达到 SR-1 | 光弱化积分值 > 100 %×min | ST-1 | 燃烧的滴落物, 滴落物燃烧时间>20 s |
| S-3 | 损毁长度≤25cm, 续燃时间≤100 s, (没有单个值 ≥ 120s) | SR-1 | 光弱化积分值 ≤ 100 %×min | ST-2 | 无燃烧的滴落物 |
| S-4 | 损毁长度≤20cm, 续燃时间≤10s | SR-2 | 光弱化积分值 ≤ 50 %×min | | |
| S-5 | 损毁长度=0cm | | | | |

陈述:

本试验结果得出的产品性能是在特殊条件下的检验结果。在实际应用中, 它们不能单独作为评价该产品潜在火灾和烟气危险性的依据

本测试结果仅代表被测试试样, 成分、厚度等试样的任何微小的变化可能会导致测试结果的巨大变化, 因此此测试结果对此无效。实际应用时, 在材料的提供和使用上需要格外小心以保证使用的材料充分代表测试试样。

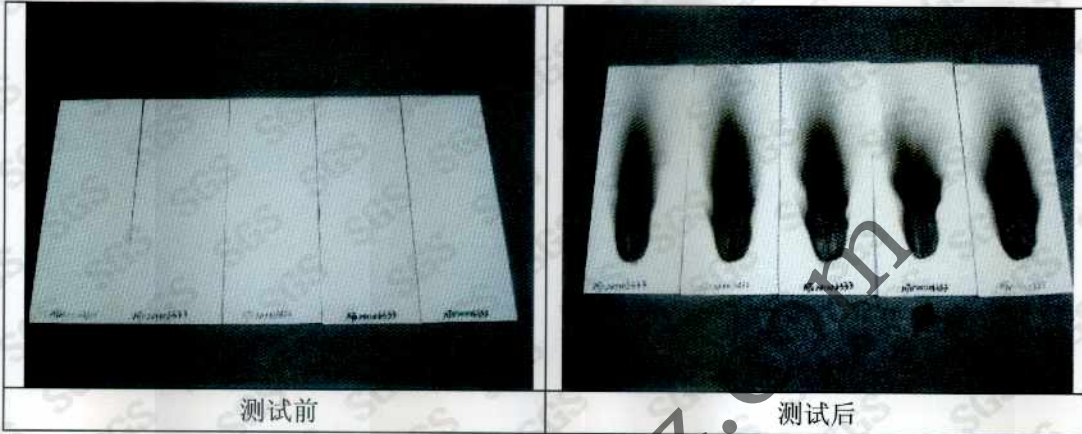
测试试样由申请者提供, SGS-CSTC安吉分公司没有涉及任何的选择和取样计划和程序。

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附录照片:



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