

检测报告

报告号: SHHL1707042826TF-01

日期: 2017-08-22

页码: 1 / 8

火星人厨具股份有限公司

中国浙江省海宁市尖山新区新城路 366 号

本报告取代发布日期为 2017 年 08 月 16 日编号为 SHHL1707042826TF 的检测报告。

产品名称 : 爱格 W980#饰面刨花板

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收样日期 : 2017 年 07 月 27 日

测试时间 : 2017 年 07 月 27 日至 2017 年 08 月 16 日

测试要求 : 1. 含水率测定 (GB/T 4897-2015 条款 7.3.2)
2. 内胶合强度测定 (GB/T 4897-2015 条款 7.3.5)
3. 吸水厚度膨胀测定 (GB/T 4897-2015 条款 7.3.6)
4. 表面胶合强度 (GB/T 4897-2015 条款 7.3.7)
5. 甲醛释放量 (参照 JIS A1460: 2015 方法, 采用紫外分光光度计分析)

测试结论 : 测试结果符合测试要求

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顾琳
授权签字人



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SHHL 125887



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测试项目:

1. 含水率测定 (GB/T 4897-2015 条款 7.3.2)
2. 内胶合强度测定 (GB/T 4897-2015 条款 7.3.5)
3. 吸水厚度膨胀测定 (GB/T 4897-2015 条款 7.3.6)
4. 表面胶合强度 (GB/T 4897-2015 条款 7.3.7)

性能	测试步骤和要求	结果/ 评定
含水率测定	<p>放入干燥箱之前称量试件质量, 精确至 0.01g, 随后将试件放在 103±2°C 条件下干燥至恒重, 干燥后立即置于干燥器内冷却, 冷却后称量精确至 0.01g.</p> <p>试件的含水率按下式计算, 精确至 0.1%</p> $H = \frac{m_0 - m_1}{m_1} \times 100$ <p>式中:</p> <p>H —— 试件的含水率, 以百分率表示(%);</p> <p>m₀ —— 试件干燥前的质量, 单位为克(g);</p> <p>m₁ —— 试件干燥后的质量, 单位为克(g).</p> <p>标准要求: 3%-13%</p>	<p>符合</p> <p>平均值: 6.4%</p>

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性能	测试步骤和要求	结果/ 评定
内胶合强度测定	<p>1. 试件在 (20±2) °C、相对湿度 (65±5) %条件下放至质量恒定。</p> <p>2. 在试件的长度、宽度中心线处测量宽度和长度尺寸。</p> <p>3. 用聚乙酸乙烯酯乳胶或热熔胶等胶粘剂, 按图 1 将试件和卡头粘结在一起, 并在此放置在 (20±2) °C、相对湿度 (65±5) %条件下, 待胶接牢固后进行检测。</p> <p>说明: 1—金属卡头; 2—卡头(金属、硬木或硬木胶合板); 3—硬木胶合板卡头(不适用于薄板); 4—试件; 5—自动调心球窝连接。 注: $d \geq 16$ mm。</p> <p style="text-align: center;">图 1 内结合强度测定示意图</p> <p>4. 测试时应均匀加载荷, 从加荷开始在 (60±30) s 内使试件破坏, 记下最大载荷值, 精确至 1%</p> <p>5. 若测试时在胶层破坏, 则应在原试样上另取试件重做。</p> <p>试件内结合强度按下式计算, 精确至 0.01MPa。</p>	符合 样品厚度: 18mm 平均值: 0.47MPa



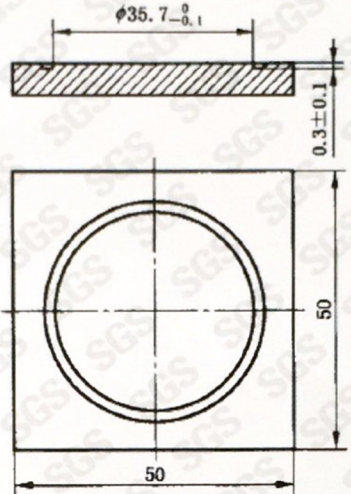
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性能	测试步骤和要求	结果/ 评定														
	$\sigma_{\perp} = \frac{F_{\max}}{l \times b}$ <p>式中:</p> <p>σ_{\perp} —— 试件内胶合强度, 单位为兆帕(MPa);</p> <p>F_{\max} —— 试件破坏时最大载荷, 单位为牛顿(N);</p> <p>l —— 试件长度, 单位为毫米(mm);</p> <p>b —— 试件宽度, 单位为毫米(mm)。</p> <p>标准要求:</p> <table border="1"> <thead> <tr> <th>厚度 mm</th> <th>≤6</th> <th>>6-13</th> <th>>13-20</th> <th>>20-25</th> <th>>25-34</th> <th>>34</th> </tr> </thead> <tbody> <tr> <td>要求 MPa</td> <td>0.45</td> <td>0.40</td> <td>0.35</td> <td>0.30</td> <td>0.25</td> <td>0.20</td> </tr> </tbody> </table>	厚度 mm	≤6	>6-13	>13-20	>20-25	>25-34	>34	要求 MPa	0.45	0.40	0.35	0.30	0.25	0.20	
厚度 mm	≤6	>6-13	>13-20	>20-25	>25-34	>34										
要求 MPa	0.45	0.40	0.35	0.30	0.25	0.20										
吸水厚度膨胀测定	<ol style="list-style-type: none"> 1. 试件在 (20±2) °C、相对湿度 (65±5) %条件下放至质量恒定。 2. 测量试件中心点厚度 t_1。精确至 0.01mm。 3. 将试件浸没于 pH 值为 7±1, 温度为 (20±1) °C 的水槽中, 试件下表面与水槽底部要有一定距离, 试件之间要有一定间隙, 至少 15mm。 4. 浸泡 2h±15min 后, 取出试件, 擦去表面附水, 在原测量点测其厚度 t_2。测量工作必须在 10 min 内完成。 5. 试件的吸水厚度膨胀率按下式计算, 精确至 0.1%。 $T = \frac{t_2 - t_1}{t_1} \times 100$ <p>式中: T —— 吸水厚度膨胀率, %;</p> <p>t_1 —— 浸水前试件厚度, mm;</p> <p>t_2 —— 浸水后试件厚度, mm。</p> <p>标准要求: ≤8%</p>	符合 平均值: 1.0%														
表面结合强度	<ol style="list-style-type: none"> 1. 试件在 (20±2) °C、相对湿度 (65±5) %的环境下放至质量恒定。 2. 在试件表面用铣刀铣一环形槽, 如图 1 所示。槽的内径为 35.7±_{0.1} mm (圆面积为 1000mm²)。对于未饰面试件, 槽深 (0.3±0.1) mm。对于饰面试件, 切割穿透饰面材料, 但切入基材的深度不超过 0.3mm。 	符合 平均值: 1.13MPa														

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性能	测试步骤和要求	结果/ 评定
	<div style="text-align: center;">  <p>图 1 试件环形槽</p> </div> <ol style="list-style-type: none"> 3. 把环氧树脂胶或融化的热熔胶均匀涂布在专用卡头表面，与试件的圆表面胶合在一起，防止胶液溢入槽内。胶粘时使用压强为 0.1MPa~0.2MPa。若热熔胶的加热过程对表面胶合强度存在负面影响，则应使用冷固化环氧树脂胶代替热熔胶。若胶溢入槽内，可用小刀沿环形槽割划，使溢流出来的胶与卡头分离。 4. 若试件厚度为 10mm<t<15mm，用环氧胶或融化的热熔胶把厚度为 10mm，边长为 50mm 的正方形钢板粘结在试件的背面，以起增强作用。若试件厚度不大于 10mm，除了在试件背面粘结厚度为 10mm，边长为 50mm 的正方形钢板外，在试件的上表面与卡具之间放置一块厚度为 2mm~3mm，边长为 50mm 的正方形钢垫片，在垫片中央有一直径为 40mm 的孔。 5. 将试件装在试验机上，卡具如图 2 所示，测试时应均匀加载荷，从加荷开在 (60±30) s 内使试件破坏，记下最大载荷值，精确至 1N。 	

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性能	测试步骤和要求	结果/ 评定
	<div style="text-align: center;"> <p>a) 试件厚度 $t \geq 15$ mm b) 试件厚度 $t \leq 10$ mm</p> </div> <p>说明:</p> <ul style="list-style-type: none"> 1—卡具; 2—卡头; 3—试件; 4—卡具; 5—钢板片; 6—钢板。 <p style="text-align: center;">图 2 表面胶合强度测定卡具夹持示意图</p> <p>6. 试件表面胶合强度按如下公式计算, 精确至 0.01MPa</p> $\sigma_{z\perp} = \frac{F_{\max}}{A}$ <p>式中: $\sigma_{z\perp}$ —— 试件表面胶合强度, 单位为兆帕 (MPa); F_{\max} —— 试件表面层破坏时的最大载荷, 单位为牛顿 (N); A —— 试件与卡头粘合面积, $A=1000\text{mm}^2$。</p> <p>标准要求: $\geq 0.8\text{MPa}$</p>	

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日期: 2017-08-22

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5. 甲醛释放量

测试方法: 参照 JIS A1460: 2015 方法, 采用紫外分光光度计分析.

样品编号	SGS 样品 ID	描述
SN1	SHA17-163447.001	白色木板

备注:

- (1) 1 mg/kg = 0.0001%
- (2) MDL = 方法检测限
- (3) ND = 未检出 (< MDL)
- (4) "-" = 未规定

测试项目	单位	MDL	001
甲醛释放量	mg/L	0.1	0.1
结论			符合

备注:

- (1) JIS A 5905:2003 规定之排放分类
- F☆☆☆☆: ≤0.3mg/L(均值), ≤0.4mg/L(最大值)
- F☆☆☆: ≤0.5mg/L(均值), ≤0.7mg/L(最大值)
- F☆☆: ≤1.5mg/L(均值), ≤2.1mg/L(最大值)
- F☆: ≤5.0mg/L(均值), ≤7.0mg/L(最大值)

检测报告仅用于客户科研、教学、内部质量控制、产品研发等目的, 仅供内部参考。



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样品照片:

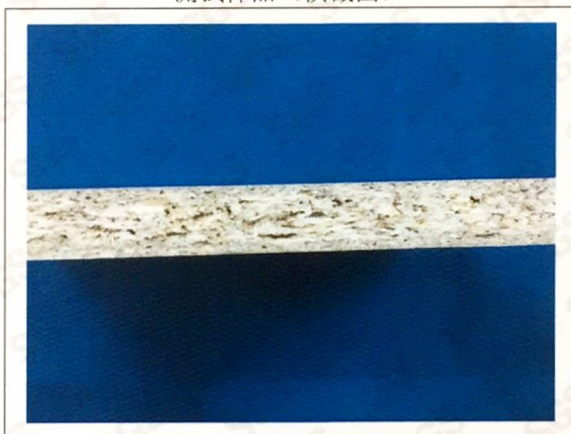
测试样品 (正面)



测试样品 (反面)



测试样品 (横截面)



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