



2006000586R



检测
CNAS L0690



TEST REPORT

正本

No: 200990074



Entrusted by: Lion Chemtech Co., Ltd.

Sample Name: A-103 Natural White

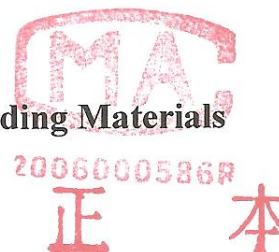
Test Type: Entrust test



National Research Center of Testing Techniques for Building Materials

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Sample name	A-103 Natural White	Test type	Entrust test
Client	Lion Chemtech Co., Ltd.	Brand	TRISTONE 100% Acrylic Solid Surface
Manufacturer	Lion Chemtech Co., Ltd.	Batch No.	1MA0024
Date of product	Jan. 24, 2009	Date of reception	Mar. 4, 2009
Model / Size	12.3mmT×760mmW×3680 mmL	Quantity of Sample	69pcs
Test standard/method	JC 908—2002 “solid surface materials”		
Test items	Property test (see page 2)		
Test conclusion	<p>According to JC 908—2002 “solid surface materials”, the test items are satisfied with PMMA; details at page 2.</p> <p>Date of issued: Mar. 30, 2009</p> <p>Seal</p>		
Remarks:			

Approved by:

Verified by:

Tested by:

Address: No.1 Guanzhuang Dongli, Chaoyang District, Beijing (100024) TEL: 51167668

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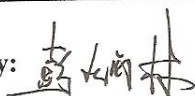
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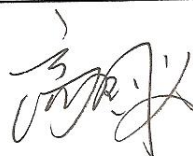
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No.	Test items	Standard index	Test results	Individual conclusion
1.	Barcol hardness	≥ 58 (for PMMA)	64	Pass
2.	Load test	No crevice, max deviations $\leq 0.25\text{mm}$ after unloading	No crevice, 0.13mm deviations after unloading	Pass
3.	Point impact	No crevice after 255g steel ball shall be dropped from a height of 610mm	No crevice after 255g steel ball dropped from a height of 610mm	Pass
4.	Flexural strength	$\geq 40\text{MPa}$	60.8MPa	Pass
5.	Flexural modulus	$\geq 6500\text{MPa}$	$7.76 \times 10^3\text{MPa}$	Pass
6.	Colorfastness	$\Delta E \leq 2$ No peeling, crazing, blistering	$\Delta E = 1.7$ No peeling, crazing, blistering	Pass
7.	Stain resistance	Total stain index ≤ 64 , the depth of stain $\leq 0.12\text{mm}$	Total stain index is 62, the depth of stain is 0.04mm	Pass
8.	Resistance again the burn from a cigarette	Any resulting damage shall not impair the serviceability of the unit or shall be restorable, using abrasive and polishing compound to approximate the original finish	No burning, resulting damage not impairing the serviceability of the unit	Pass
9.	Oxygen index	≥ 35	42	Pass
10.	Chemical resistance	Any resulting damage shall not impair the serviceability of the unit or shall be restorable, using abrasive and polishing compound to approximate the original finish	No obvious damage in surface	Pass
11.	High temp. resistance	There shall be no cracking, crazing, or blistering and the average color difference, after abrasive and polishing, shall be no more than 2CIE	No cracking, crazing, blistering	Pass
12.	Water resistance	No cracking, crazing, blistering, light color change can be restored by polishing to no more than 2CIE units when compared to the control specimen	No cracking, crazing, blistering	Pass
13.	Water absorption	————	0.05%	——
14.	Linear thermal expansion	————	$3.7 \times 10^{-5} \text{ } ^\circ\text{C}^{-1}$	——
Remarks: Water absorption test in accordance with GB/T1462-2005 Linear thermal expansion test in accordance with GB/T2572-2005				

Verified by:



Tested by:



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DECLARATION:

1. This report is invalid without the seal of the center as “国家建筑材料测试中心 测试检验章”.
2. This report is invalid without the signatures of the staffs as ratifier, verifier and testing person.
3. This report is invalid if erased, altered or copied partially.
4. Any doubt about this report should be inform us in 15 days after receiving the report.
5. This report is only responsible for the accepted sample(s).

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