# TEST REPORT

No. : NBMLP140300032
Date : Mar.14,2014


HANGZHOU JINMENG ROAD ESTABLISHMENT CO., LTD.
FANGYUAN INDUSTRIAL PARK, YUQIAN TOWN, LIN'AN CITY, HANGZHOU, ZHEJIANG PROVINCE, CHINA

The following sample(s) was/ were submitted and identified on behalf of the client as:

| | | |
|---|---|---|
| Sample Name | : | COMPOSITE MANHOLE COVER SPECIMEN |
| Sample No. | : | NBMLP140300032 |
| SGS Ref. No. | : | HZMLP140200032 |
| Product specification | : | LENGTH 50-150MM, WIDTH 50-75MM, THICKNESS<10MM |
| Material and Mark | : | SMC |
| Test Required | : | Selected test(s) as requested by applicant |
| Date of Receipt | : | Mar.05,2014 |
| Test Period | : | Mar.05,2014 to Mar.14,2014 |

Test result(s) : For further details, please refer to the following page(s)

******** To be continued********

Signed for SGS-CSTC Standards
Technical Services Co., Ltd

Lorin Yan
Section Supervisor

Attention: To check the authenticity of testing /inspection report & certificate, please contact us at telephone: (86-755)83071443, or email: CN.Doccheck@sgs.com

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**1. Test Item: Barcol Hardness**

Sample Description: Gray specimen

Test Method: ASTM D2583-07

Test Condition:

Specimen thickness: 8.72mm

Lab Environmental Condition: 23±2℃, 50±5%RH

Test Result:

| Test Item | Test Result |
|---|---|
| Barcol Hardness | 63 |

**2. Test Item: Chemical Resistance**

Sample Description: Gray specimen

Test Method: ASTM D543-06 Practice A Procedure Ⅰ and client's requirement

Test Condition:

Immerse in test reagent, 23℃, 72h

Lab Environment Condition: 23±2℃, 50±5%RH

Test Result:

| Test Reagent | Test Item | Test Result | |
|---|---|---|---|
| 0.1mol/L $H_2SO_4$ solution | Change in Volume | -0.32% | |
| | Barcol Hardness | As received | 63 |
| | | After immersion | 59 |
| | | Change value | -4 |
| 0.1mol/L NaOH solution | Change in Volume | +0.26% | |
| | Barcol Hardness | As received | 63 |
| | | After immersion | 61 |
| | | Change value | -2 |

******** To be continued********

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Note:

1. Change in Volume, % = (Value after immersion - Value before immersion)/ Value before immersion ×100

2. Change Value, % = Value after immersion - Value as received

**Photo:**




- All above tests were carried out by a SGS laboratory.

******** End of report ********

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