



中国认可  
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检测  
TESTING  
CNAS L9582

# 检验检测报告

## Test Report

No: STD-250707-A029-1

样品名称: 聚乙烯铺路板  
Sample Name: High-density polyethylene paving slab

委托单位: 山东博驰耐磨材料有限公司  
Applicant: Shandong Bochi abrasion-resistant Material Co., Ltd.

检测类别: 委托检测  
Test Type: Entrusted Test

斯坦德检测集团股份有限公司  
Testing Company: Standard Testing Group Co., Ltd.



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|                                                                                                                                   |                                                                                                                                                                                                                                                                                                         |                             |                                                                          |
|-----------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------|--------------------------------------------------------------------------|
| 委托单位<br>Applicant                                                                                                                 | 山东博驰耐磨材料有限公司<br>Shandong Bochi abrasion-resistant Material Co., Ltd.                                                                                                                                                                                                                                    |                             |                                                                          |
| 委托地址<br>Applicant Address                                                                                                         | 山东省德州市宁津县大曹镇交通局大曹交通管理所西侧180米/180 meters<br>west of Dacao Traffic Management Office, Dacao Town, Ningjin County,<br>Dezhou City, Shandong Province, China                                                                                                                                                |                             |                                                                          |
| 样品名称<br>Sample Name                                                                                                               | 聚乙烯铺路板<br>/High-density<br>polyethylene<br>paving slab                                                                                                                                                                                                                                                  | 型号/批号<br>Type/Serial<br>No. | 20250305                                                                 |
| 样品数量<br>Sample Quantity                                                                                                           | 各 1 组                                                                                                                                                                                                                                                                                                   | 生产企业<br>Manufacturer        | 山东博驰耐磨材料有限公司<br>Shandong Bochi abrasion-<br>resistant Material Co., Ltd. |
| 其他信息<br>Other information                                                                                                         | --                                                                                                                                                                                                                                                                                                      |                             |                                                                          |
| 以上信息由委托单位提供, 并对其真实性负责<br>The above information is provided by the applicant and the applicant should answer for its authenticity. |                                                                                                                                                                                                                                                                                                         |                             |                                                                          |
| 样品编号<br>Sample Number                                                                                                             | 250707-A029001,<br>250707-A029002                                                                                                                                                                                                                                                                       | 样品描述<br>Sample State        | 见检测结果汇总<br>See the Summary of Test Results                               |
| 样品接收日期<br>Received Date                                                                                                           | 2025/07/07                                                                                                                                                                                                                                                                                              | 检测类别<br>Test Type           | 委托检测<br>Entrusted Test                                                   |
| 检测起止日期<br>Test Period                                                                                                             | 2025/07/07-2025/07/16                                                                                                                                                                                                                                                                                   |                             |                                                                          |
| 检测项目<br>Test Item                                                                                                                 | 简支梁无缺口冲击强度、压缩强度、弯曲强度、拉伸强度、拉伸断裂应变、吸水率、密度、邵氏硬度、球压痕硬度、摩擦系数/ /Impact strength of simply supported beam without notch, Compressive strength, Bending strength, Tensile strength, Tensile fracture strain, Water absorption rate, Density, Shore hardness, Ball indentation hardness, Coefficient of friction |                             |                                                                          |
| 检测依据<br>Test Standard                                                                                                             | GB/T 3398.1-2008, GB/T 1041-2008, GB/T 2411-2008, GB/T 1040.2-2022, GB/T 1034-2008, GB/T 3960-2016, GB/T 1043.1-2008, GB/T 9341-2008, GB/T 1033.1-2008                                                                                                                                                  |                             |                                                                          |
| 检测结论<br>Test Conclusion                                                                                                           | 依据委托方要求共检 10 项, 检测结果见第 2~3 页检测结果汇总。<br>According to applicant's demand, a total of 10 item are tested. The test results refer to page 2~3.<br><div>检验检测专用章/Stamp: <br/>签发日期/Issue Date: 2025/07/21</div>            |                             |                                                                          |
| 备注 Remark                                                                                                                         | --                                                                                                                                                                                                                                                                                                      |                             |                                                                          |

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| 检测结果汇总<br>Summary of Test Results                                                                                                                       |                                                                             |                   |                     |                       |                                                                             |
|---------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------|-------------------|---------------------|-----------------------|-----------------------------------------------------------------------------|
| 序号<br>No.                                                                                                                                               | 检测项目<br>Test Item                                                           | 单位<br>Unit        | 检测结果<br>Test Result | 检测方法<br>Test Standard | 备注<br>Remark                                                                |
| 聚乙烯铺路板 (样品编号: 250707-A029001; 样品描述: 固态完整)<br>High-density polyethylene paving slab (Sample Number: 250707-A029001, Sample State:<br>Solid state intact) |                                                                             |                   |                     |                       |                                                                             |
| 1                                                                                                                                                       | 简支梁无缺口冲击强度<br>/Impact strength of simply<br>supported beam without<br>notch | kJ/m <sup>2</sup> | 88                  | GB/T 1043.1-<br>2008  | 破坏类型: N/<br>Destruction type:<br>N                                          |
| 2                                                                                                                                                       | 压缩强度<br>(40%应变)<br>/Compressive strength<br>(40% strain)                    | MPa               | 26.0                | GB/T 1041-<br>2008    | --                                                                          |
| 3                                                                                                                                                       | 弯曲强度/<br>Bending strength                                                   | MPa               | 12.9                | GB/T 9341-<br>2008    | --                                                                          |
| 4                                                                                                                                                       | 拉伸强度/<br>Tensile strength                                                   | MPa               | 11.6                | GB/T 1040.2-<br>2022  | --                                                                          |
| 5                                                                                                                                                       | 拉伸断裂应变/<br>Tensile fracture strain                                          | %                 | 167                 | GB/T 1040.2-<br>2022  | --                                                                          |
| 6                                                                                                                                                       | 吸水率 (蒸馏水, 23°C, 24h) / Water absorption rate (distilled water, 23 °C, 24h)  |                   |                     |                       |                                                                             |
|                                                                                                                                                         | 吸水率/<br>Water absorption rate                                               | %                 | 0.0913              | GB/T 1034-<br>2008    | --                                                                          |
| 7                                                                                                                                                       | 密度 (23°C) /<br>Density (23 °C)                                              | g/cm <sup>3</sup> | 1.008               | GB/T 1033.1-<br>2008  | --                                                                          |
| 8                                                                                                                                                       | 邵氏硬度/<br>Shore hardness                                                     | Shore D           | 60                  | GB/T 2411-<br>2008    | --                                                                          |
| 9                                                                                                                                                       | 球压痕硬度/<br>Ball indentation hardness                                         | N/mm <sup>2</sup> | 28                  | GB/T 3398.1-<br>2008  | 试验负荷 132N,<br>压头直径 5mm/<br>Test load 132N,<br>Pressure head<br>diameter 5mm |



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| 检测结果汇总<br>Summary of Test Results                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                  |            |                     |                       |                                                                                                                               |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------|------------|---------------------|-----------------------|-------------------------------------------------------------------------------------------------------------------------------|
| 序号<br>No.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 检测项目<br>Test Item                | 单位<br>Unit | 检测结果<br>Test Result | 检测方法<br>Test Standard | 备注<br>Remark                                                                                                                  |
| 聚乙烯铺路板 (样品编号: 250707-A029002; 样品描述: 完好)<br>High-density polyethylene paving slab (Sample Number: 250707-A029002, Sample State: Intact)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                  |            |                     |                       |                                                                                                                               |
| 10                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 摩擦系数/<br>Coefficient of friction | --         | 0.26                | GB/T 3960-2016        | 质量磨损:<br>0.0050g;<br>干摩擦, 200r/min,<br>196N, 2h/<br>Quality wear and<br>tear: 0.0050g;<br>Dry friction,<br>200r/min, 196N, 2h |
| <b>试验说明:</b><br><b>Test description:</b><br>1.检测设备<br>Test equipment<br>摆锤式冲击试验机、电子数显卡尺、多功能恒温恒湿试验箱、换气式老化箱试验机、密度天平、磨损试验机、球压痕硬度计、邵 D 硬度计、伺服控制拉力试验机、微机控制电子式万能试验机、微机控制电子万能试验机等/ Pendulum impact testing machine, Electronic digital caliper, Multifunctional constant temperature and humidity testing chamber, Ventilated aging chamber testing machine, Density balance, wear testing machine, Ball indentation hardness tester, Shore D hardness tester, Servo controlled tensile testing machine, Microcomputer controlled electronic universal testing machine, Microcomputer controlled electronic universal testing machine etc.<br>2.环境条件<br>Environmental conditions<br>: 23°C, (49-51) %RH.<br>3.其他信息<br>Other information<br>: 实验地点: 山东省青岛市高新区锦业路 1 号蓝贝智造工场。<br>Experimental location: LANEBEST Innovation Park, No.1, Jinye Road, High-Tech Industrial Development Zone, Qingdao, Shandong, China. |                                  |            |                     |                       |                                                                                                                               |



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样品照片

The Picture of Sample

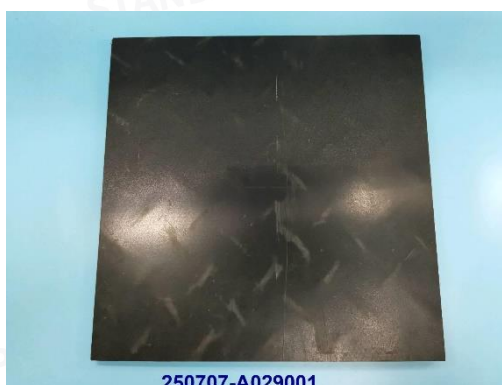


图 1 250707-A029001

Fig.1 250707-A029001



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样品照片

The Picture of Sample

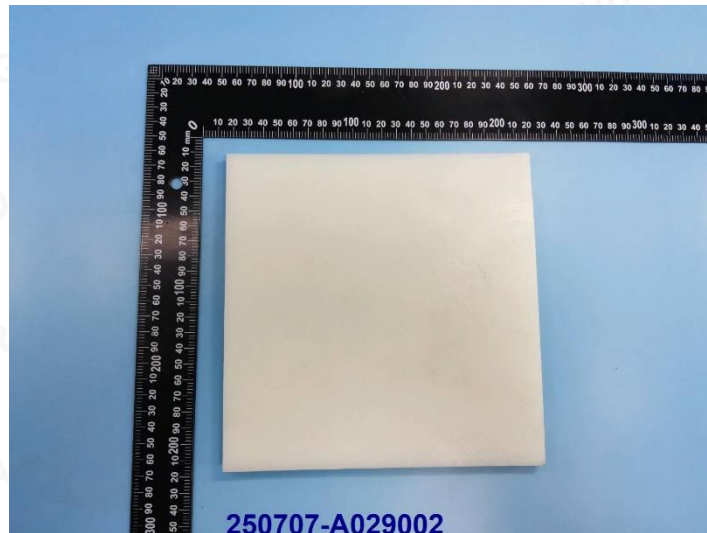


图 2 250707-A029002

Fig.2 250707-A029002

\*\*\*报告结束\*\*\*

\*\*\*The End\*\*\*



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## 注意事项

### NOTES

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Any objection concerning the report should be submitted to the institute within 3 days after receiving the report, any request would be refused if it is overdue.

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Testing Company: Standard Testing Group Co., Ltd.

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