

Apr. 15th, 2022

Feicheng Lianyi Engineering 肥城联谊工程塑料有限公司
Hi-tech Development Zone
Feicheng City, Shandong, China 271608

Re: Final LABORATORY TEST REPORT 最终实验室检测报告

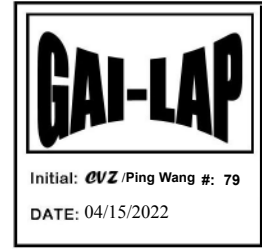
Dear Bob:

Thank you for consulting TRI Suzhou for your material testing needs.

感谢选用 TRI 苏州实验室为您检测材料

Enclosed is the **final** laboratory report for the **Conformance** testing of one (1) geogrid sample.

附上一份一个土工格栅的符合性实验室最终检测报告

**PROJECT NAME** 项目名称: Geogrid testing 土工格栅检测 **DATE REPORTED** 报告日期: Apr. 15th, 2022**REFERENCE TRI JOB NO.** 涉及工作编号: SCH22175**DATE RECEIVED** 接收日期: Mar. 19th, 2022**SAMPLE(S) SENT BY** 送样人: Feicheng Lianyi Engineering 肥城联谊工程塑料有限公司**SAMPLE IDENTIFICATIONS** 样品信息:**SAMPLE ID** 样品 ID

Fiberglass Geogrid 100/100

TRI CONTROL NUMBER 受控编号

82381

TESTS REQUIRED / PERFORMED 检测需求/检毕:**TEST METHOD** 检测方法

EN ISO 10319

EN ISO 9864

EN ISO 3146

ASTM D1204

DESCRIPTION 描述

Tensile strength 拉伸强度

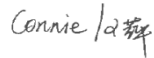
Mass per Unit Area 单位面积质量

Softing point 熔点

Dimensional Stability 尺寸稳定性

TEST RESULTS 检测结果: The test results are summarized in the attached Table 1. 检测结果参见附表 1.

Respectfully, 此致

TRI Geosynthetic Testing and Services (Suzhou) Co., Ltd.Connie Wang
Quality AssuranceCora Queja
General Manager

Signatures are on file

It shall be noted that the **sample/s** tested **is/are** believed to be true representatives of the material produced under the designation herein stated. In addition, the attached laboratory tests results are considered indicative only of the quality of samples/specimens that were actually tested. The appropriate test methods hereby employed are based on the current and accepted industry practices. TRI neither accepts responsibility for nor makes claims to the intended final use and purpose of the material. The test data and all associated project information shall be held confidential and not to be reproduced and/or disclosed to other parties except in full and with prior written approval from the client or any pertinent entity duly authorized by the respective client. It is our policy to keep physical records of each job for five (5) years commencing from the date of receipt of the samples and keep its corresponding electronic file for seven (7) years. **Retained conformance samples are disposed of after one (1) month.** On the other hand, should you need us to keep them at a longer period, please advise us in writing.

需说明的是, 所送检样品会被认为是根据设计所生产材料的真实代表。另外, 所附实验室检测结果仅表明所检测样品质量。此次合适的检测方法的采用是根据目前通用行业实际情况。TRI 既不对样品接受负责也不对材料的最终使用目的及用途发表声明。检测数据及相关项目信息为商业秘密, 不得复制, 非经客户书面同意或授权同意不得外泄给其他机构。我司自接收样品日起保存纸质记录 5 年, 保存相应电子记录 7 年。样品留存 1 个月废弃。如需保存更长时间, 请以书面方式提前通知

2 Pages Total (including this sheet)

TABLE 1.表1

MATERIAL PROPERTIES

CLIENT: Feicheng Lianyi Engineering

PROJECT: Geogrid testing

QC'd By: *Connie / 2/28/24*

TRI Job No.: **SCH22175**

TRI Control No: **82381**

Date Received: **2022.03.19**

Date Reported: **2022.04.15**

Client Sample ID: **Fiberglass Geogrid 100/100**

玻璃纤维土工格栅 **100/100KN**

Material Description: **Geogrid**

		SPECIMENS										Avg.	Std. Dev.	Min	Max	Proj. Specs. (Note1)	
METHOD	DESCRIPTION	1	2	3	4	5	6	7	8	9	10						
ISO 9864*	Mass per unit Area (grams/cm ²) 单位面积质量 (克/平方厘米) <i>Specimens were tested in accordance with ISO 9864, and conditioned in the laboratory for 1 hr at 20+/-2° C (65+/-3.6° F).</i> 采用 ISO9864 测试样品, 在 20±2℃ (65±3.6°F) 的实验室室内调节 1 小时 Specimen Size 样品尺寸: 103.2 cm ² 103.2平方厘米	0.041	0.040	0.041	0.041	0.041	0.040	0.041	0.041	0.041	0.040	0.040	0.0407	0.001	0.040	0.041	
ASTM D1204*	Dimensional Stability 尺寸稳定性 (percent %) <i>Specimens were conditioned at 100° C in the oven for one (1) hour. At the end of the oven exposure period, the specimens were reconditioned for another hour at laboratory conditions 23+/-2° C before testing.</i> 测试样在 100℃ 的烘箱里调节 1 小时, 在烘箱暴露周期的最后阶段, 在测试前测试样会在 23±2℃ 的实验室条件下重新调节另外 1 小时。	MD -0.237 TD 0.087	-0.150 0.087									-0.194 0.087	0.062 0.000	-0.237 0.087	-0.150 0.087		
ISO 10319Δ	Wide Width Tensile Properties 宽条拉伸																
	MD Ultimate Strength (kN/m) 沿机极限强度 (千牛/米)	109.5	105.3	106.7	106.0	107.8						107.1	4.2	105	110		
	MD Break Elongation (%) 沿机断裂伸长率	2.03	1.91	1.98	1.90	2.08						1.98	0.08	1.90	2.08		
	TD Ultimate Strength (kN/m) 非沿机极限强度 (千牛/米)	106.1	105.6	108.6	109.2	106.9						107.3	3.6	105	110		
	TD Break Elongation (%) 非沿机断裂伸长率	1.75	1.76	1.79	2.22	2.04						1.91	0.21	1.75	2.22		
EN ISO 3146Δ	Softening point 融化点 Melting Temperature 融化温度(°C)	>300										>300	NA				
		* Tested in TRI CA lab			Δ Tested in TRI Austin Lab												

LEGENDS:
MD- MACHINE DIRECTION
TD - TRANSVERSE DIRECTION