Mar 24,2022

GAI-LAP
Initial: dvz / PingWang #: 79
DATE: 03/24/2022

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**.
附上一份土工格栅符合性实验室检测报告

PROJECT NAME 项目名称: **Geogrid Testing** DATE REPORTED 报告日期: **Mar 24,20122**

REFERENCE TRI JOB NO.涉及工作编号: SCH22143

DATE RECEIVED 接收日期: *Mar 14,2022*

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	***TRI CONTROL NUMBER*** 受控编号
PP Biaxial Geogrid 3030 1m2	82267

TESTS REQUIRED / PERFORMED 检测需求/检毕:

TEST METHOD 检测方法	***DESCRIPTION 描述***
1. ASTM D6637	Single rib tensile strength 抗拉强度 (单肋)
2. GRI GG2	Junction strength 节点强度

TEST RESULTS 检测结果: The test results are summarized in the attached Tables 1 to 6. 检测结果参见附表 1-6.

Respectfully,此致

TRI Geosynthetic Testing and Services (Suzhou) Co., Ltd.

Connie Wang
Quality Assurance

Cora Queja
Technical Director

Signatures are on file

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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 个月后废弃。如需保存更长时间，请以书面方式提前通知

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TABLE表 3.

MATERIAL PROPERTIES
材料属性

CLIENT客户: Feicheng Lianyi Engineering 肥城联谊工程塑料有限公司
PROJECT项目: Geogrid testing 土工格栅检测

Date Received接收日期:**2022.03.14**
Date Reported报告日期:**2022.03.24**
Client Sample ID样品信息: **PP Biaxial Geogrid 3030 1m2**
Material Description材料描述: **Geogrid 土工格栅**

QC'd By质量担当: Connie 12薛
TRI Job No.工作编号: **SCH22143**
TRI Control No.:82267

SPECIMENS样品

METHOD	DESCRIPTION	1	2	3	4	5	6	7	8	9	10	Avg. 平均值	Std. Dev. 标准偏差	Min 最小值	Max 最大值
ASTM D6637	Single rib Tensile 单肋抗拉强度 节点强度														
	Test was performed as directed in ASTM D6637, dry condition. 检测根据 *ASTM D6637* 在干燥条件下检测.														
	Ultimate Tensile Strength 抗拉强度 (kN/m)														
	MD	31.31	32.33	32.86	32.37	32.00	31.74					32.10	0.54	31.31	32.86
	TD	33.04	35.01	33.68	33.24	34.03	33.58					33.76	0.70	33.04	35.01
	Tensile @ 2% Elongation 延伸率为 2 % 时抗拉强度 (kN/m)														
	MD	14.56	14.47	14.34	14.14	14.58	14.09					14.36	0.21	14.09	14.58
	TD	14.09	15.42	14.51	13.89	14.48	14.05					14.41	0.55	13.89	15.42
	Tensile @ 5% Elongation 延伸率为 5 % 时抗拉强度 (kN/m)														
	MD	25.14	25.47	25.49	25.05	25.22	24.70					25.18	0.29	24.70	25.49
	TD	24.76	26.81	25.18	24.58	25.47	25.07					25.31	0.80	24.58	26.81
	Break Elongation 断裂延伸率 (%)														
	MD	8.76	10.80	11.10	11.00	11.10	11.40					10.69	0.97	8.76	11.40
	TD	10.80	11.00	12.60	14.40	12.90	11.40					12.18	1.38	10.80	14.40
GRI GG2	Junction Strength 节点强度														
	Test was performed as directed in GG2, dry condition. 检测根据 *GG2* 在干燥条件下检测.														
	Ultimate Strength 节点强度 (kN)														
	MD	1.09	1.04	1.06	1.11	1.19	1.06	1.14	1.08	1.05	1.00	1.08	0.05	1.00	1.19
	TD	0.99	0.94	0.91	1.02	0.97	1.05	0.93	1.02	1.15	1.12	1.01	0.08	0.91	1.15
	Ultimate Strength 节点强度 (kN/m)														
	MD	29.68	28.36	28.88	30.43	32.38	29.05	31.08	29.50	28.79	27.23	29.54	1.46	27.23	32.38
	TD	26.87	25.54	24.72	27.71	26.40	28.63	25.38	27.70	31.16	30.52	27.46	2.15	24.72	31.16

All tested in TRI Austin

LEGENDS:
MD- MACHINE DIRECTION
TD - TRANSVERSE DIRECTION

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