



SCOPE OF ACCREDITATION ISO/IEC 17025:2017

GTI ENERGY
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MECHANICAL

Valid To: January 31, 2024

Certificate Number: 2139.01

In recognition of the successful completion of the A2LA evaluation process, accreditation is granted to this laboratory to perform the following tests and failure analyses on solids, automotive components, fasteners and metals, pipeline coatings, plastics and polymers, pressure vessels, rubber, tools, liquids, coal, coke, and gases:

Test Description

Test Method(s)²

Mechanical Testing (Plastics)

Conditioning of Plastics	ASTM D618
Time-to-Failure of Plastic Pipe Under Constant Internal Pressure	ASTM D1598
Standard Test Method for Resistance to Short-Time Hydraulic Pressure of Plastic Pipe, Tubing, and Fittings	ASTM D1599
Dimensions of Thermoplastic Pipe and Fittings	ASTM D2122
Standard Test Method for Notch Tensile Test to Measure the Resistance to Slow Crack Growth of Polyethylene Pipes and Resins	ASTM F1473
Tensile Properties of Plastics	ASTM D638

Mechanical Testing (Metals)

Tension Testing (Room Temp, <=60klbs)	ASTM E8/E8M (<i>Except 3.2.1 Proof Load</i>)
Brinell Hardness (500/1500/3000 kg)	ASTM E10
Rockwell Hardness (A, B, C, 15N & T, 30N & T, 45N & T)	ASTM E18
Micro Hardness (100-1000g, HV, 500g HK)	ASTM E384

Test Description

Test Method(s)²

Metallographic Evaluation

Metallographic Preparation

ASTM E3

Average Grain Size

ASTM E112

Coatings and Corrosion

Failure Analysis

ASM Handbook 11 and the other methods on the scope; PP 144¹, 145¹

¹In-house Method

²*The laboratory is only accredited for the test methods listed above. The accredited test methods are used in determining compliance with the material specifications listed below. The inclusion of these material specifications on this Scope does not confer laboratory accreditation to the material specifications nor does it confer accreditation for the method(s) embedded within the specifications.*

ASTM D2513, D3350, F1055, F1924, F2206



Accredited Laboratory

A2LA has accredited

GTI ENERGY

Des Plaines, IL

for technical competence in the field of

Mechanical Testing

This laboratory is accredited in accordance with the recognized International Standard ISO/IEC 17025:2017 *General requirements for the competence of testing and calibration laboratories*. This accreditation demonstrates technical competence for a defined scope and the operation of a laboratory quality management system (refer to joint ISO-ILAC-IAF Communiqué dated April 2017).



Presented this 20th day of December 2021.

A blue ink signature of the Vice President of Accreditation Services.

Vice President, Accreditation Services
For the Accreditation Council
Certificate Number 2139.01
Valid to January 31, 2024
Revised July 12, 2022

For the tests to which this accreditation applies, please refer to the laboratory's Mechanical Scope of Accreditation.