



SCOPE OF ACCREDITATION TO ISO/IEC 17025:2005

GTI TESTING LABORATORIES
1700 South Mount Prospect Road
Des Plaines, IL 60018-1804
Natalya Bates Phone: 847-768-0953
Natalya.Bates@gastechnology.org

MECHANICAL

Valid To: January 31, 2020

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)¹

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

Mechanical Testing (Metals)

Tension Testing (Room Temp, <=60klbs)	ASTM E8/E8M, F606/606M (<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, F606/606M
Micro Hardness (100-500g, HV& HK)	ASTM E384; SAE J423 (<i>Except Section 4</i>)

Test Description

Test Method(s)¹

Metallographic Evaluation

Coating Thickness by Microscopic Examination	ASTM B487
Metallographic Preparation	ASTM E3
Average Grain Size	ASTM E112
Depth of Decarburization	ASTM E1077, SAE, J419

Coatings and Corrosion

Resistance of Pipeline Coatings (Falling Weight Test)	ASTM G14
Laboratory Immersion Corrosion Testing of Metals	ASTM G31; WI-77*
Holiday Detection in Pipeline Coatings	ASTM G62; NACE SP0188, NACE SP0990, NACE SP0274
Failure Analysis	ASM Handbook 11 and the other methods on the scope; PP 144*, 145*

*In-house Method

¹The 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 TESTING LABORATORIES

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 17025:2005 *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 8 January 2009).



Presented this 5th day of January 2018.

A handwritten signature in black ink, written over a horizontal line.

President and CEO
For the Accreditation Council
Certificate Number 2139.01
Valid to January 31, 2020

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