



SCOPE OF ACCREDITATION TO ISO/IEC 17025:2017

GREENE, TWEED & CO.
(CENTRAL ENGINEERING, MATERIALS LABORATORY & PRODUCT TESTING LABORATORY)
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MECHANICAL

Valid To: August 31, 2027

Certificate Number: 3187.01

In recognition of the successful completion of the A2LA evaluation process, accreditation is granted to this laboratory to perform the following tests on manufactured components, rubber, PTFE, and composites:

<u>Test:</u>	<u>Test Method(s):</u>
Compressive Properties of Rigid Plastics	ASTM D695
Corrosion and Adhesion	SAE AMS-P-5516 Section 4.5.4, SAE AMS-P-83461 Section 4.6.3, SAE AMS-P-25732 Section 4.6.3; NAS 1613 Section 4.3.3.9; MIL-PRF-25732
Deformation Under Load	ASTM D621-1988
Density and Specific Gravity (Relative Density) of Plastics by Displacement	ASTM D792
Dynamic Cycling, Corrosion and Adhesion	MIL-PRF-25732; SAE AMS-P-25732 Section 4.7, SAE AMS-P-83461 Section 4.7
Enthalpies of Fusion and Crystallization by Differential Scanning Calorimetry	ASTM E793
Evaluating Rubber Property – Retraction at Lower Temperatures (TR Test)	ASTM D1329
Flex Properties of Unreinforced and Reinforced Plastics and Electrical Insulating Materials	ASTM D790
Infrared Spectrophotometry	ASTM E1252
Liquid Penetrant Examination	ASTM E165 <i>Except Sections A.2 to A.4</i>

Test:**Test Method(s):**

Polytetrafluoroethylene (PTFE) Molding and Ram Extrusion Materials

ASTM D4894 Section 10.7

Rubber – Compositional Analysis by Thermogravimetry (TGA)

ASTM D6370

Rubber – Deterioration in an Air Oven

ASTM D573

Rubber – O-Rings

ASTM D1414,
Except Sections 10 & 25

Rubber – Materials, Equipment, and Procedures for Mixing Standard Compounds and Preparing Standard Vulcanized Sheets

ASTM D3182,
Except Sections 7.2, 7.3 and 8.1.1

Rubber Properties – Measurement of Cure and After – Cure Dynamic Properties using RPA

ASTM D6601

Rubber – Measurement of Unvulcanized Rheological Properties using Rotorless Shear Rheometers

ASTM D6204

Rubber Products – Chemical Analysis (Specific Gravity)

ASTM D297 Section 16.3

Rubber Property – Adhesion to Rigid Substrates

ASTM D429 Method A

Rubber Property – Compression Set

ASTM D395 Method B

Rubber Property – Durometer Hardness (Types A, D and M)

ASTM D2240 Method A

Rubber Property – Effect of Liquids

ASTM D471

Rubber Property – International Hardness

ASTM D1415

Rubber Property – Vulcanization using Rotorless Cure Meters

ASTM D5289

Rubber – Viscosity, Stress Relaxation, and Pre-Vulcanization Characteristics (Mooney Viscometer)

ASTM D1646

Conditioning Plastics for Testing

ASTM D618

Shear Strength of Plastics by Punch Tool

ASTM D732

Standard Test Method for Assignment of the DSC Procedure for Determining Tg of a Polymer or an Elastomeric Compound
Standard Test Method for Linear Thermal Expansion of Solid Materials by Thermomechanical Analysis

ASTM D7426

ASTM E831

Test:

Tear Strength of Conventional Vulcanized Rubber and Thermoplastic Elastomers, Die B and Die C

Tensile Properties of Plastics

Tensile Properties of Polymer Matrix Composite Materials

Transition Temperatures and Enthalpies of Fusion and Crystallization of Polymers by Differential Scanning Calorimetry

Vulcanized Rubber and Thermoplastic Elastomers Tension

Water Absorption of Plastics

Compressive Properties of Polymer Matrix Composites

Shear Properties of Composites

Filled Compounds of Polytetrafluoroethylene (PTFE) Molding and Extrusion Materials (Tensile Only)

Tensile Properties of Plastics

Test Method(s):

ASTM D624

ASTM D638 *Except Section A.3*

ASTM D3039

ASTM D3418

ASTM D412 Procedure A

ASTM D570

ASTM D6641

ASTM D7078

ASTM D4745 Section 11.4

ASTM D1708



Accredited Laboratory

A2LA has accredited

GREENE, TWEED & CO.

Kulpsville, PA

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 7th day of October 2025.

A blue ink signature of Mr. Trace McInturff.

Mr. Trace McInturff, Vice President, Accreditation Services
For the Accreditation Council
Certificate Number 3187.01
Valid to August 31, 2027

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