

SCOPE OF ACCREDITATION TO ISO/IEC 17025:2017

ELEMENT MATERIALS TECHNOLOGY BALTIMORE
5 North Park Drive
Hunt Valley, MD 21030
Mrs. Sarah D. Brammer Phone: 410 584 9099

MECHANICAL

Valid To: February 28, 2025

Certificate Number: 0214.35

In recognition of the successful completion of the A2LA evaluation process, accreditation is granted to this laboratory to perform the following tests on the following product types: Aerospace, Automotive, Avionics, Consumer Products, Electronics, Industrial, Medical, Military Telecommunication and Textiles.

Test Technology:

Test Method(s)¹:

Plating Adhesion

IPC-TM-650 (Method 2.4.1)

Strength/Compression
(Bond Strength, Lap Shear Strength, Shear Strength, Compression/Compression Strength, Tension/Tensile Strength, Tack, Tear Strength, Tear Resistance, Propagation Tear, Peel Strength, Scratch Resistance)

ASTM D638;
IPC-TM-650
(Methods 2.4.8, 2.4.8.1, 2.4.18, 2.4.18.1, 2.4.21);
MIL-STD-883, Method 5011

Range:

Up to 22,500 lbs
(-170 to 425) °F

Bow and Twist/Warpage

IPC-TM-650 (Methods 2.4.22 and 2.4.22.1)

Failure Analysis using Techniques Included in Method O-17 or in the Chemical, Electrical and/or Mechanical Scope

BAL O-17²

Electronic Part Authenticity Testing/Counterfeit Detection

BAL O-27²;
SPOC-419 ()

Flammability

UL 94 (Sections 7 and 8)

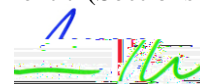
Flexibility Endurance/Folding Flexibility

IPC-TM-650 (Method 2.4.3);
MIL-P-50884³

Fungus Resistance (Non-Nutrient Growth)

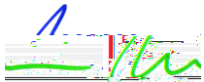
ASTM G21;
IPC-TM-650 (Methods 2.6.1 and 2.6.1.1);
MIL-STD-810;
MIL-I-46058² Amendment 7 (Sections 3.7 and 4.8.4)

(A2LA Cert. No. 0214.35) Revised 12/19/2024



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Test 2



Test Technology:

Instrumental Color Difference Measurements for
Exterior Finishes, Textiles, and Colored Trim

Test Method(s)¹:

SAE J1545;
ASTM D2244





A2LA has accredited

ELEMENT MATERIALS TECHNOLOGY BALTIMORE

Hunt Valley , MD

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 5th day of June 2023.

Mr. Trace McInturff, Vice President , Accreditation Services
For the Accreditation Council
Certificate Number 0214.35
Valid to February 28, 2025
Revised December 19, 2024

For the types of tests to which this accreditation applies, please refer to the laboratory's Mechanical
Laboratory

Scope of Accreditation.