



SCOPE OF ACCREDITATION TO ISO/IEC 17025:2005

ELECTRIC GLASS FIBER AMERICA  
A.K.A. NIPPON ELECTRIC GLASS  
Fiberglass Science and Technology Center  
Testing Laboratory  
940 Washburn Switch Road  
Shelby, NC 28150  
Phillip Luckadoo Phone: 704 434 2261

MECHANICAL

Valid To: January 31, 2020

Certificate Number: 1158.01

In recognition of the successful completion of the A2LA evaluation process, accreditation is granted to this laboratory to perform the following tests on plastics:

**Test Name:**

**Test Method:**

Conditioning Plastics for Testing

ASTM D618

Compressive Properties of Rigid Plastics

ASTM D695

Density and Specific Gravity (Relative Density)  
of Plastics by Displacement

ASTM D792 (Method A)

Tensile Properties of Glass Fiber Strands, Yarns, and  
Rovings Used in Reinforced Plastics

ASTM D2343

Apparent Interlaminar Shear Strength of Parallel Fiber  
Composites by Short-Beam Method

ASTM D2344

Apparent Horizontal Shear Strength of Pultruded  
Reinforced Plastic Rods by the Short-Beam Method

ASTM D4475

Ignition Loss of Glass Strands and Fabrics

ASTM D4963

Compressive Properties Using a Combined Loading  
Compression (CLC) Test Fixture

ASTM D6641

Determining Flexural Properties of Plastics (ISO Flex)

ISO 178

Determining Charpy Impact Strength of Plastics (ISO Charpy)

ISO 179-1

Determining the Izod Impact Strength of Plastics (ISO Izod)

ISO 180

**Test Name:**

Standard Atmospheres for Conditioning and Testing

Determination of Tensile Properties of Moulding & Extrusion Plastics (ISO Tensile)

Textile Glass and Mineral Filler Content by Calcination

Determining the Density of Non-Cellular Plastics

Determination of Fatigue Properties Under Cyclic Loading Conditions

Determining Flexural Properties of Fiber-Reinforced Plastic Composites

Determination of Compressive Properties in the In-plane Direction

Determination of Apparent Interlaminar Shear Strength by Short-Beam Method

In-Plane Shear by the +/- 45° Tension Test Method

**Test Method:**

ISO 291

ISO 527-1, 2, 4, 5

ISO 1172 (Method A)

ISO 1183-1 (Method A)

ISO 13003

ISO 14125

ISO 14126

ISO 14130

ISO 14129

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## *Accredited Laboratory*

A2LA has accredited

# **ELECTRIC GLASS FIBER AMERICA A.K.A. NIPPON ELECTRIC GLASS**

*Shelby, NC*

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 April 2017).



Presented this 13<sup>th</sup> day of February 2018.

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President and CEO  
For the Accreditation Council  
Certificate Number 1158.01  
Valid to January 31, 2020

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