

Merit

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*This certificate is granted and awarded by the authority of the Nadcap Management Council to:*

## **IMR Test Labs**

*131 Woodsedge Drive  
Lansing, NY 14882  
United States*

*This certificate demonstrates conformance and recognition of accreditation for specific services, as listed in [www.eAuditNet.com](http://www.eAuditNet.com) on the Qualified Manufacturers List (QML), to the revision in effect at the time of the audit for:*

## **Non Metallic Materials Testing**

Certificate Number: 3262200468  
Expiration Date: 30 November 2023  
Accreditation Length: 24 Months

**David L. Schutt, PhD**  
President

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## SCOPE OF ACCREDITATION

### Non Metallic Materials Testing

**IMR Test Labs**  
131 Woodsedge Drive  
Lansing, NY 14882

This certificate expiration is updated based on periodic audits. The current expiration date and scope of accreditation are listed at: [www.eAuditNet.com](http://www.eAuditNet.com) - Online QML (Qualified Manufacturer Listing).

In recognition of the successful completion of the PRI evaluation process, accreditation is granted to this facility to perform the following:

### AC7000 - AUDIT CRITERIA FOR NADCAP ACCREDITATION

#### AC7122/1 Rev B - Nadcap Audit Criteria for Non Metallic Materials Testing – Mechanical Testing

- 1.1.1 Tensile Ambient Temperature
- 1.1.2 Tensile Non–ambient Temperature
- 1.1.3 Tensile Strain Measurement
- 1.1.4 Tensile/Elongation
- 1.12.1 Climbing Drum Peel
- 1.13.1 Floating Roller Peel
- 1.17.1 Bearing Strength
- 1.2.1 Compression Ambient Temperature
- 1.2.2 Compression Non–ambient Temperature
- 1.2.3 Compression Strain Measurement
- 1.2.5 Flatwise Compressive, Ambient
- 1.2.6 Flatwise Compressive Non–Ambient
- 1.2.7 Flatwise Compressive Strain Measurement
- 1.21.1 Flatwise tension Sandwich
- 1.22.1 Sandwich Flexure
- 1.24.1 Tear
- 1.3.1 Shear Ambient Temperature by SBS
- 1.3.2 Shear Ambient Temperature  $\pm 45$  Tension
- 1.3.3 Shear Ambient Temperature by Compression
- 1.3.4 Shear Ambient Temperature by V Notch
- 1.3.5 Shear Non–ambient (any method)
- 1.3.6 Shear Strain Measurement
- 1.3.7 Plate Shear, Ambient
- 1.3.9 Plate Shear, Strain Measurement
- 1.4.1 Flexural Ambient Temp

- 1.4.2 Flexural Non–ambient
- 1.4.3 Flexural Strain measurement
- 1.9.1 Single Lap Shear Ambient Temperature
- 1.9.2 Single Lap Shear Non–ambient Temperature

**AC7122/2 Rev A - Nadcap Audit Criteria for Non Metallic Materials Testing – Physical Testing**

- 2.1.3 Hardness Testing: Shore
- 2.12.1 Effects of Liquids
- 2.17.1 Deterioration in Air Oven
- 2.2.1 Density/ Specific Gravity
- 2.3.1 Resin/Fiber /Void Content by: Acid Digestion
- 2.3.2 Resin/Fiber /Void Content by: Burn off
- 2.3.3 Resin/Fiber /Void Content by: Solvent wash
- 2.4.1 Water Absorption
- 2.5.1 Volatile Content
- 2.6.1 Gel Time
- 2.7.1 Flow
- 2.8.1 Fiber Areal Weight
- 2.8.2 Prepreg Areal/Adhesive Film Weight
- 2.9.1 Viscosity Liquid Resin

**AC7122/3 Rev A - Nadcap Audit Criteria for Non Metallic Materials Testing – Chemical Testing**

- 3.1.1 IR/FTIR

**AC7122/4 Rev A - Nadcap Audit Criteria for Non Metallic Materials Testing – Thermal Analysis**

- 4.1.1 Dynamic Mechanical Analysis (DMA)
- 4.2.1 Thermogravimetric Analysis (TGA)
- 4.3.1 Differential Scanning Calorimetry (DSC)
- 4.4.1 TMA: Glass Transition TemperatureTMA
- 4.6.2 TMA: Linear Thermal Expansion of SolidsCTE

**AC7122/5 - Nadcap Audit Criteria for Non Metallic Materials Testing – Flammability**

- 5.1.1 Vertical

**AC7122-I Rev E - Nadcap Audit Criteria for Non Metallic Materials Testing (Required) (to be used on audits on/after 24 March 2019)**

- Class A: Composites
- Class B: Adhesive/Adhesive Primer
- Class C: Elastomers
- Class D: Core

**Fabrication - Codes**

F.2.1 Specimen Fabrication

F.3.1 Specimen Machining