

Merit

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

## ***Westmoreland Mechanical Testing and Research, Inc.***

*14 Bayhill Drive  
Latrobe, PA 15650  
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: 11237203187  
Expiration Date: 29 February 2024  
Accreditation Length: 24 Months

**David L. Schutt, PhD**  
President

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## SCOPE OF ACCREDITATION

### Non Metallic Materials Testing

#### Westmoreland Mechanical Testing and Research, Inc.

14 Bayhill Drive  
Latrobe, PA 15650

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
- 1.10.1 T–Peel
- 1.11.1 Peel (180°)
- 1.12.1 Climbing Drum Peel
- 1.13.1 Floating Roller Peel
- 1.17.1 Bearing Strength
- 1.18.1 G1c
- 1.19.1 G2c
- 1.2.1 Compression Ambient Temperature
- 1.2.2 Compression Non–ambient Temperature
- 1.2.3 Compression Strain Measurement
- 1.2.4 Compression Set
- 1.2.5 Flatwise Compressive, Ambient
- 1.2.6 Flatwise Compressive Non–Ambient
- 1.2.7 Flatwise Compressive Strain Measurement
- 1.20.1 Compression after Impact CAI
- 1.21.1 Flatwise tension Sandwich
- 1.22.1 Sandwich Flexure
- 1.23.1 Tube Shear
- 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
- 1.3.8 Plate Shear, Non–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
- 1.7.1 Impact Strength
- 1.8.1 Double Lap Shear Ambient Temperature
- 1.8.2 Double Lap Shear Non–ambient Temperature
- 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**

- 2.1.2 Hardness Testing: Barcol
- 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

**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
- 4.5.1 DSC: Specific Heat CapacitySpecific
- 4.6.2 TMA: Linear Thermal Expansion of SolidsCTE

**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