Merit Merit

Nadcap℠
Administered by PRI

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 on the Qualified Manufacturers List (QML), to the revision in effect at the time of the audit for:

Non Metallic Materials Testing

Certification Number: 11237191064
Expiration Date: 31 January 2022
Accreditation Length: 24 Months

Michael J. Hayward
Executive Vice President & Chief Operating Officer

Performance Review Institute (PRI) | 161 Thorn Hill Road | Warrendale, PA 15086-7527

Merit Merit

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 - 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:

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
1.25.1 Node Bond Delamination
1.3.1 Shear Ambient Temperature by SBS
1.3.2 Shear Ambient Temperature ±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
2.11.1 Low Temperature Brittleness
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