



CERTIFICATE OF ACCREDITATION

The ANSI National Accreditation Board

Hereby attests that

**University of Dayton Research Institute
Sealants and Elastomers Lab**

**1700 S. Patterson Boulevard
Dayton, OH 45469**

Fulfills the requirements of

ISO/IEC 17025:2017

In the field of

TESTING

This certificate is valid only when accompanied by a current scope of accreditation document.
The current scope of accreditation can be verified at www.anab.org.

A handwritten signature in black ink, appearing to read 'R. Douglas Leonard Jr.', is positioned above a horizontal line.

R. Douglas Leonard Jr., VP, PILR SBU

Expiry Date: 25 June 2023
Certificate Number: L2021-1



This laboratory is accredited in accordance with the recognized International Standard ISO/IEC 17025:2017.
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).

SCOPE OF ACCREDITATION TO ISO/IEC 17025:2017

**University of Dayton Research Institute
Sealants and Elastomers Lab**

1700 S. Patterson Boulevard
Dayton, OH 45469
Barbara Miller
937 229 3473

TESTING

Valid to: **June 25, 2023**

Certificate Number: **L2021-1**

Mechanical

Specific Tests and/or Properties Measured	Specification, Standard, Method, or Test Technique	Items, Materials or Product Tested	Key Equipment or Technology
Tensile	ASTM D412- Method A ASTM D1414	Sealants and Elastomers	
Hardness (Shore A, M)	ASTM D2240	Sealants and Elastomers	
Compression Set	ASTM D395 Method B	Elastomers	
Humidity	AS 5127/1	Sealants and Elastomers	
Weatherometer	AS 5127/1	Sealants and Elastomers	
Peel Strength	ASTM C794* AS 5127/1	Sealants and Elastomers	
Fluid Aging	ASTM D471 AS 5127/1	Sealants and Elastomers	
Air Aging	ASTM D573	Sealants and Elastomers	
Specific Gravity	ASTM D792 ASTM D297	Sealants and Elastomers	
Tack Free Time	AS 5127/1 Para. 5.8	Sealants and Elastomers	
Nonvolatile Content	AS 5127/1 Para. 5.1	Sealants and Elastomers	

Mechanical

Specific Tests and/or Properties Measured	Specification, Standard, Method, or Test Technique	Items, Materials or Product Tested	Key Equipment or Technology
Assembly Time	AS 5127/1 Para. 5.7	Sealants and Elastomers	
Flow	AS 5127/1 Para. 5.5	Sealants and Elastomers	
Application Time	AS 5127/1 Para. 5.6	Sealants and Elastomers	
Low Temperature Flexibility	AS 5127/1 Para. 7.6	Sealants and Elastomers	
Resistance to Thermal Expansion	AS 5127/1 Para. 6.4	Sealants and Elastomers	
Resistance to Thermal Rupture	AS 5127/1 Para. 7.2	Sealants and Elastomers	
Shear Strength	AS 5127/1 Para. 7.8	Sealants and Elastomers	
Cloth Extraction	ASTM D2257	Aircraft Cloth for Solvent Cleaning	
Hydrolytic Stability	AS 5127/1 Para. 6.6	Sealants and Elastomers	

Note:

1. This scope is formatted as part of a single document including Certificate of Accreditation No. L2021-1.



R. Douglas Leonard Jr., VP, PILR SBU