



CERTIFICATE OF ACCREDITATION

ANSI National Accreditation Board

11617 Coldwater Road, Fort Wayne, IN 46845 USA

This is to certify that

University of Dayton Research Institute

Sealants and Elastomers Lab

1700 S. Patterson Boulevard

Dayton, OH 45469

has been assessed by ANAB and meets the requirements of international standard

ISO/IEC 17025:2017

while demonstrating technical competence in the field of

TESTING

Refer to the accompanying Scope of Accreditation for information regarding the types of activities to which this accreditation applies

L-2021-1

Certificate Number



ANAB Approval

Certificate Valid Through: 06/25/2020
Version No. 003 Issued: 07/17/2019



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).



ANSI National Accreditation Board

SCOPE OF ACCREDITATION TO ISO/IEC 17025:2017

University of Dayton Research Institute Sealants and Elastomers Lab

1700 S. Patterson Boulevard
Dayton, OH 45469
Kate Holley
937 229 3606

TESTING

Valid to: **June 25, 2020**

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	
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	
Assembly Time	AS 5127/1 Para. 5.7	Sealants and Elastomers	



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Mechanical

Specific Tests and/or Properties Measured	Specification, Standard, Method, or Test Technique	Items, Materials or Product Tested	Key Equipment or Technology
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.



Vice President