



SCOPE OF ACCREDITATION TO ISO/IEC 17025:2017

QUALITY SYNTHETIC RUBBER, INC.
3565 Highland Park St. NW
North Canton, OH 44720
Ben Kitson Phone: 330 498 6347

MECHANICAL

Valid To: September 30, 2024

Certificate Number: 0763.01

In recognition of the successful completion of the A2LA evaluation process, accreditation is granted to this laboratory to perform the following tests on rubber:

Test Technology

Test Method

Chemical Analysis of Rubber Products Density
(Hydrostatic Method) at $(23 \pm 2) ^\circ\text{C}$

ASTM D297 (Section 16.3);
ISO 2781 (Method A)

Compression Set

ASTM D395 (Method B);
ISO 815-1

Tension

ASTM D412 (Method A);
DIN 53504

Effect of Liquids

ASTM D471; ISO 1817

Deterioration in an Air Oven

ASTM D573; ISO 188

Tear Resistance

ASTM D624 (Method B, C, T);
ISO 34-1

Rubber Conditioning for Low Temperature Testing

ASTM D832

Deterioration by Heating in Air (Test Tube Enclosure)

ASTM D865

Compression Set at Low Temperatures

ASTM D1229

Retraction at Low Temperature (TR Test)

ASTM D1329

Brittleness Point

ASTM D2137

Test Technology

Test Method

Durometer Hardness (Shore A)	ASTM D2240; ISO 7619-1
Determination of Force Decay (Stress Relaxation) in Compression	ASTM D6147 (Method B)
Specifying Conditions for Compression Stress Relaxation Testing of Rubber	GMW17113 (Method A)
Method for Determination of Compressive Stress Relaxation (CSR) Response	SAE J2979
Estimation of Lifetime and Maximum Temperature of Use	ISO 11346, 11.1
Connector Cycling	SAE/USCAR-2 (Section 5.1.7)
Visual Inspection	SAE/USCAR-2 (Section 5.1.8)
Sample Preparation	SAE/USCAR-2 (Section 5.1.10)
Insulation Resistance	SAE/USCAR-2 (Section 5.5.1)
Temperature/Humidity Cycling	SAE/USCAR-2 (Section 5.6.2)
High Temperature Exposure	SAE/USCAR-2 (Section 5.6.3)
Fluid Resistance	SAE/USCAR-2 (Section 5.6.4)
Submersion	SAE/USCAR-2 (Section 5.6.5)
Pressure/Vacuum Leak	SAE/USCAR-2 (Section 5.6.6)



Accredited Laboratory

A2LA has accredited

QUALITY SYNTHETIC RUBBER, INC.

North Canton, OH

for technical competence in the field of

Mechanical Testing

This laboratory is accredited in accordance with the recognized International Standard ISO/IEC 17025:2017 *General requirements for the competence of testing and calibration laboratories*. 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).



Presented this 21st day of June 2023.

A blue ink signature of Mr. Trace McInturff, written in a cursive style.

Mr. Trace McInturff, Vice President, Accreditation Services
For the Accreditation Council
Certificate Number 0763.01
Valid to September 30, 2024

For the tests to which this accreditation applies, please refer to the laboratory's Mechanical Scope of Accreditation.