



SCOPE OF ACCREDITATION TO ISO/IEC 17025:2017

CASCADE ENGINEERING - ANALYTICAL LAB  
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MECHANICAL

Valid To: November 30, 2026

Certificate Number: 2263.02

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

<u>Test(s)</u>	<u>Test Method(s)</u>
Ash Content	ASTM D5630 (Procedure B)
Conditioning	ASTM D618; GMW 3221 (Code A & B); ISO 291
Density / Specific Gravity	ASTM D792; ISO 1183-1 (Method A)
Dimensional Stability	GMW 4217
Durometer Hardness (Shore A and D)	ASTM D2240; ISO 868
Heat Age	LP-463LB-13-01
Flammability	CFR 571.302; ISO 3795
Flexural Strength and Modulus	ASTM D790; ISO 178
Fogging	Chrysler LP-463DB-12-01; GMW3235, Method A; SAE J1756 ( <i>except section 9</i> )
Fracture – Gardner Impact	ASTM D5420
Fracture – Izod Impact	ASTM D256
Heat Deflection Temperature	ASTM D648 (Method B); ISO 75-1, -2
Low Temperature Flexibility	GM 9503P, GMW 14108, 16746; Ford BN 102-01, Procedure A, WSS- M99_P32-B (Section 3.8)

<u>Test(s)</u>	<u>Test Method(s)</u>
Melt Flow Index	ASTM D1238 Procedure A; ISO 1133
Odor	Ford FLTM BO 131-01; GMW 3205; LP-463KC-09-01; SAE J1351
Shrinkage (Mold / Post)	ASTM D955 (Type A)
Specular Gloss	ASTM D523 ( <i>except 85<sup>0</sup></i> )
Tear Strength	ASTM D624 (Type C), ASTM D1004
Tensile Strength	ASTM D412 (Method A), ASTM D638 ( <i>except A.3</i> ); ISO 37, 527-1, 2
Thermal / Humidity Cycle	WSS-M99 P32-B (Section 3.4 ); WSS-M99 P32-C (Section 3.8); WSS-M99 P32-D1(Sections 3.8.2 &3.8.3); LP-463LB-12-01 (Method A)



## Accredited Laboratory

A2LA has accredited

### CASCADE ENGINEERING - ANALYTICAL LAB

*Grand Rapids, MI*

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 24<sup>th</sup> day of January 2025.

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 2263.02  
Valid to November 30, 2026

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