



SCOPE OF ACCREDITATION TO ISO/IEC 17025:2005

MPC TESTING LABORATORY
837 Walworth St.
Walworth, WI 53184
Doug Myers Phone: 262 275 5791

MECHANICAL

Valid To: April 30, 2019

Certificate Number: 0821.01

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

Test Type/Technology:

Test Method¹:

Axial Force Testing

Insertion / Removal Force
(0 to 2000) lb force

C25018 Rubber Connector Pull Off
Method

Electrical Testing

Electrical Characteristics

(0 to 100) VDC; 1 20 VAC,
100Ω to 10MΩ

C25126 Pull Testing using the Voltage
Recorder

Environmental Simulation

Thermal

(-55 to 315) °C

C25101 Chrysler Oil Fill Cap
Validation Method

Humidity

(5 to 95) % R.H.

C25101 Chrysler Oil Fill Cap
Validation Method

Vibration

(5 to 2000) Hz
(-55 to 160) °C

C25101 Chrysler Oil Fill Cap
Validation Method

Gas Leak Testing – Air

Pressure Decay

(0.01 to 10) cc/m

C25011 Air Leakage Measurement

Gas Flow Testing

Mass Flow Measurement

0.5 SCCM to 1000 SLPM
.001 to 1000 LPM

C25008 Generic Flow Rate
Measurement

Gravitational Effect Testing

Mass Measurement

(0 to 2) kg

C25155 Carbon Canister Butane
Working Capacity

Test Type/Technology:

Test Method¹:

Hardness Testing

Durometer
Shore A

C25021 Rubber Durometer Hardness
Testing

Pressure Testing

Air Pressure Measurement
(0 to 250) psi

C25009 Generic Pressure
Measurement Method

Liquid Pressure Measurement
(0 to 10000) psi

C25009 Generic Pressure
Measurement Method

Torsional Testing

Torque
(0.10 to 135) Nm

C25101 Chrysler Oil Fill Cap
Validation Method

Dimensional Testing²:

Parameter	Range	CMC ³ (±)	Technique / Method
Length ⁴ - 1D - 2D	Up to 6 in Up to 1 in	0.001 in 0.001 in	Direct comparison / Caliper Optical measurement / Nikon microscope
Angle ⁴	0° to 360°	1.0°	Direct comparison / Goniometer

¹ Using customer supplied test methods approved by the client directly related to the design and manufacture of molded thermoplastic components and assemblies within the parameters listed below.

² This laboratory does not offer commercial dimensional testing services.

³ Calibration and Measurement Capability Uncertainty (CMC) is the smallest uncertainty of measurement that a laboratory can achieve within its scope of accreditation when performing more or less routine measurements of nearly ideal measurement standards or nearly ideal measuring equipment. CMC's represent expanded uncertainties expressed at approximately the 95 % level of confidence, usually using a coverage factor of $k = 2$. The actual measurement uncertainty of a specific measurement performed by the laboratory may be greater than the CMC due to the behavior of the customer's device and to influences from the circumstances of the specific measurement.

⁴ This test is not equivalent to that of a calibration.





Accredited Laboratory

A2LA has accredited

MPC TESTING LABORATORY

Walworth, WI

for technical competence in the field of

Mechanical Testing

This laboratory is accredited in accordance with the recognized International Standard ISO/IEC 17025:2005 *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 8 January 2009).



Presented this 10th day of July 2017.

A handwritten signature in black ink, appearing to read "L. Sen", written over a horizontal line.

President and CEO
For the Accreditation Council
Certificate Number 0821.01
Valid to April 30, 2019

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