



SCOPE OF ACCREDITATION TO ISO/IEC 17025:2005

MPC TESTING LABORATORY  
837 Walworth St.  
Walworth, WI 53184  
James Mosher Phone: 262 275 5791

MECHANICAL

Valid To: April 30, 2013

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 Method:

**Axial Force Testing**

Insertion / Removal Force  
(0 to 2000) lb force

C25018 Rubber Connector Pull Off Method  
Transportation components

**Electrical Testing**

Electrical Characteristics  
(0 to 100) VDC; 120 VAC, Ohms

C25126 Pull Testing using the Oscillograph Recorder  
Transportation components

**Environmental Simulation**

Thermal

(-65 to 600) °F

C25101 Chrysler Oil Fill Cap Validation Method  
Transportation components

Chemical

Durability

C25109 150K Mile Durability Simulation Method  
Transportation components

Humidity

(5 to 95) % R.H.

CC25101 Chrysler Oil Fill Cap Validation Method  
Transportation components

Vibration

(5 to 3500) Hz

(0 to 100) g's

2 in peak to peak

(-60 to 375) °F

CC25101 Chrysler Oil Fill Cap Validation Method  
Transportation components

**Gas Leak Testing – Air/Helium**

Dry Leak Tester

(0.010 to 100) cc/m

C25011 Air Leakage Measurement  
Transportation components

Pressure Decay

(0.010 to 100) cc/m

C25011 Air Leakage Measurement  
Transportation components

Underwater Bubble Testing

(0.010 to 10) cc/m

C25011 Air Leakage Measurement  
Transportation components

**Gas Flow Testing**

Mass Flow Measurement  
0.5 SCCM to 1000 SLPM

C25008 Generic Flow Rate Measurement  
Transportation components

**Gravitational Effect testing**

Mass Measurement  
(0 to 2) kg  
(0 to 2000) lb

C25138 Elastomeric Insertion Force Method  
Transportation components

**Hardness Testing**

Durometer  
Shore A

C25021 Rubber Durometer Hardness Testing  
Transportation components

**Pneumatic Testing**

Air Pressure Measurement  
(0 to 250) psi  
Liquid Pressure Measurement  
(0 to 10000) psi

C25009 Generic Pressure Measurement Method  
Transportation components  
C25009 Generic Pressure Measurement Method  
Transportation components

**Torsional Testing**

Torque  
(0.10 to 135) Nm

C25101 Chrysler Oil Fill Cap Validation Method  
Transportation components

**Durability Testing**

C25109 150K Mile Durability Simulation Method  
Transportation components



**Dimensional Testing<sup>1</sup>:**

Parameter	Range	CMC* <sup>2</sup> (±)	Technique	Standards
Length <sup>3</sup> (1 Dimensional) (2 Dimensional)	(0 to 6) in (0 to 6) in	0.001 in 0.001 in	Direct comparison Optical measurement	Caliper Optical –Nikon microscope
Angles <sup>3</sup>	0° to 360°	1.0°	Direct comparison	Goniometer

<sup>1</sup> This laboratory is not available for commercial mechanical or dimensional Testing.

<sup>2</sup> Calibration and Measurement Capability (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. Calibration and Measurement Capabilities 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.

<sup>3</sup> This test is not equivalent to that of a calibration.

\*Using customer supplied test methods approved by the client directly related to the design and manufacture of molded thermoplastic components and assemblies.





The American Association for Laboratory Accreditation

World Class Accreditation

# 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 1<sup>st</sup> day of March 2011.



A handwritten signature in black ink, appearing to read "Peter Abney".

President & CEO  
For the Accreditation Council  
Certificate Number 0821.01  
Valid to April 30, 2013

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