



THE AMERICAN ASSOCIATION FOR  
LABORATORY 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 January 2009*).



Presented this 3<sup>rd</sup> day of March 2009.

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

President  
For the Accreditation Council  
Certificate Number 0821.01  
Valid to April 30, 2011

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

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, 2011

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:

<u>Test:</u>	<u>Test Parameter:</u>
Axial Force Testing Insertion / Removal Force	(0 to 2000) lb force
Electrical Testing Electrical Characteristics	(0 to 100) VDC; 120 VAC, Ohms
Environmental Simulation Thermal Chemical Humidity Vibration	(-65 to 600) °F Durability (5 to 95) % R.H. (5 to 3500) Hz (0 to 100) g's 2 in peak to peak (-60 to 375) °F
Gas Leak Testing – Air/Helium Mass Spectrometer Dry Leak Tester Pressure Decay Underwater Bubble Testing	(10X10 <sup>-9</sup> to 10X10 <sup>-4</sup> ) cc/s (0.010 to 100) cc/m (0.010 to 100) cc/m (0.010 to 10) cc/m
Gas Flow Testing Mass Flow Measurement	0.5 SCCM to 1000 SLPM
Gravitational Effect testing Mass Measurement	(0 to 2) kg (0 to 2000) lb
Hardness Testing Durometer	Shore A

Test:

Test Parameter:

Pneumatic Testing

Air Pressure Measurement

(0 to 250) psi

Liquid Pressure Measurement

(0 to 10000) psi

Torsional Testing

Torque

(0.10 to 135) Nm

Durability Testing as appropriate

Dimensional Testing:

Parameter	Range	Best Uncertainty* ( $\pm$ )	Technique
Length (1 Dimensional) (2 Dimensional)	(0 to 6) in (2 X 6) in	0.001 in 0.001 in	Calipers Optical Comparator
Angles	0° to 360°	1.0°	Goniometer

\*“Best Uncertainty” is the smallest uncertainty of measurement that a laboratory can achieve within its scope of accreditation when performing more or less routine inspections of nearly ideal measurement standards with nearly ideal measuring equipment. Best uncertainties represent expanded uncertainties expressed at approximately the 95 % level of confidence, usually using a coverage factor of  $k = 2$ . The best uncertainty of a specific test performed by the laboratory may be greater than the best uncertainty due to the behavior of the customer’s test piece, to the environment (if the dimensional inspection is performed in the field) and to influences from the circumstances of the specific test.

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