



The American Association for Laboratory Accreditation

World Class Accreditation

# Accredited Laboratory

A2LA has accredited

## ND TECHNOLOGIES GROUP

*Troy, MI*

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 19th day of January 2010.



  
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President & CEO  
For the Accreditation Council  
Certificate Number 2628.01  
Valid to October 31, 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

ND TECHNOLOGIES GROUP<sup>1</sup>  
1893 Barrett Road  
Troy, MI 48084  
Monica Tohlman Phone: 248 655 2585

MECHANICAL

Valid Until: October 31, 2011

Certificate Number: 2628.01

In recognition of the successful completion of the A2LA evaluation process, accreditation is granted to this laboratory to perform the following tests on threaded fasteners, adhesives, sealants, coatings, and mastics for the automotive, aerospace and electronic industries:

<u>Test</u>	<u>Range</u>	<u>Test Method or Internal SOPs</u>
Brookfield Viscosity	(0 to 8,000,000) cPs	ASTM D1084 Method B, D2556; ISO 2555
Color	Full Spectrum	ASTM D2244
Compressive Shear	(0 to 10,000) lbf	ASTM D4562
Water Resistance	Condensing Humidity	ASTM D1735, D2247
Depth of Cure	(0 to 100) mils	ND Test Method 5-4WI07
Film Thickness	(0 to 100) mils	ASTM D4138
Fixture Time	Subjective Go-NoGo	Cyberbond LLC/CBE WI-105-7
Hardness	Shore OO, A, & D	ASTM D2240
Lap Shear	(0 to 10,000) lbf	ASTM D1002
Odor-Can Test	Subjective Go-NoGo	GM9832P
Penetrometer	(0 to 30) mm	ASTM D5
Percent Expansion	(0 to 750) % Expansion	GM9037P
pH	(0 to 14) pH	ASTM E70

<u>Test</u>	<u>Range</u>	<u>Test Method</u>
Ramp Expansion	(0 to 6) inch	GM9764P
Salt Spray (Fog) Exposure	N/A	ASTM B117; GM4298P
Shear Strength	(0 to 10,000) lbf	ASTM D4501; ISO 13445
Solids	(0 to 100) %	ASTM D2369; GM9010P
Solvent Resistance	Subjective Go-NoGo	ASTM D5402 Method A
Specific Gravity	0.8 to 1.4	ASTM D1875
Stability at 82°C	Subjective Go-NoGo	ND Test Method 5-4WI08
Torque (beam wrench)	(0 to 1800) lbf-in	ASTM D5649; ISO 10964; IFI-124, IFI-524; GM6124M, GM6175M, GM6194M, GM6189P
Torque Tension Load Cells	(0 to 300) lbf-ft (0 to 100,000) N	SAE/USCAR-11 GM9064P; ISO 16047
Zahn Cup Viscosity	Cup # 2 & # 3	ASTM D4212, ASTM D1084 Method D

<sup>1</sup> This accreditation covers testing performed at the main laboratory listed above, and at the satellite laboratory listed below:

ND Technologies Group  
Annex Lab  
1000 North Crooks Road  
Clawson, MI 48017

<u>Test</u>	<u>Range</u>	<u>Test Method</u>
Seal Testing	Subjective Go-NoGo	GM 9985490
Solvent Resistance	Subjective Go-NoGo	ND Test Method 5-4WI26
Torque Beam Wrench Click Wrench Load Cell	(0 to 150) lbf-ft (50 to 250) lbf-ft (0 to 300) lbf-ft	Ford WA-970; GM6189P; ISO 10964; IFI-124, IFI-524
Torque Tension Load Cell	(0 to 300) lbf-ft (0 to 100,000) N	GM 6076M, GM9064P; ISO 16047; SAE/USCAR-11