



SCOPE OF ACCREDITATION TO ISO/IEC 17025:2017

SNP Testing Laboratory  
Prolongacion Serna y Calle 13 Bis #900  
Santa Ana Sonora, Mexico 84600  
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MECHANICAL

Valid To: April 30, 2021

Certificate Number: 2740.01

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

<u>Test</u>	<u>Test Parameters</u>
<b>Axial Force Testing</b> Insertion/Removal Force <sup>1</sup>	PF 10819 (0.1 to 500) lb force
<b>Environmental Simulation</b> Thermal <sup>1</sup>	PF 10819 (-40 to 120) °C
<b>Gas Leak Testing-Air</b> Pressure Decay <sup>1</sup>	SAE J2044 ES-E37E-9E498-AA (0.1 to 200) kpa
Underwater Bubble Testing <sup>1</sup>	SAE J2044 (0 to 150) cc/s
<b>Gas Flow Testing</b> Mass Flow Measurement <sup>1</sup>	PF 10819 0.1 SCCM to 500 SLPM
<b>Pneumatic Testing</b> Air Pressure Measurement <sup>1</sup>	PF 10819 (0 to 100) psi
<b>Torsional Testing</b> Torque <sup>1</sup>	ESBC3Q-6K817-AA (0 to 75) Nm
Mass Measurement Testing <sup>1</sup>	GMW16037 (0 to 100) g

<sup>1</sup> Also using customer-specified methods directly related to the types of tests and parameters listed above.

I. Dimensional Testing<sup>2</sup>

Parameter	Range	CMC <sup>3</sup> (±)	Technique / Method
Length <sup>4</sup> –			
1D	Up to 8 in	0.0018 in	Caliper / Micrometer / Grade 1 gage blocks
3D	(2 x 6) in	0.0002 in	Optical comparator / Grade 1 gage blocks
Angle <sup>4</sup>	0° to 360°	0.63°	Protractor

<sup>2</sup> This laboratory does not offer commercial dimensional testing service.

<sup>3</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>4</sup> This test is not equivalent to that of a calibration.



# Accredited Laboratory

A2LA has accredited

## SNP TESTING LABORATORY

*Santa Ana Sonora, Mexico*

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 18<sup>th</sup> day of October 2018.

A blue ink signature of the Vice President, Accreditation Services.

Vice President, Accreditation Services  
For the Accreditation Council  
Certificate Number 2740.01  
Valid to April 30, 2021  
Revised April 30, 2021