



SCOPE OF ACCREDITATION TO ISO/IEC 17025:2017

ELEMENT MATERIALS TECHNOLOGY CHICAGO – MT. PROSPECT
1660 Wall Street, Mount Prospect, IL 60056
Gary Ostendorf Phone: 847-934-5300
Email: gary.ostendorf@element.com
Website: www.element.com

MECHANICAL

Valid to: May 31, 2026

Certificate Number: 214.38

In recognition of the successful completion of the A2LA evaluation process, accreditation is granted to this laboratory to perform the following tests on industrial drives, tractor components, automotive system and subsystems, consumer electronics, and electrical power/distribution equipment:

Test Technology/Description:

Test Methods:

***Tensile/Compression/Flex/Pull/Deflection/
Elongation/Torque***

Cylinder Stroke:
Compression Load (200 to 20000) lbs
Tension Load (200 to 20000) lbs

MIL-STD-202, Method 211;
USCAR 2, Sections 5.4.2 & 5.4.3;
IPC/WHMA-A-620C Section 19.7.2

Hardness-Pencil

ASTM D3363

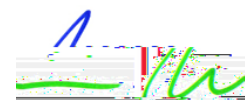
Fluid/Solvent/Chemical Resistance

MIL-STD-202, Method 215;
MIL-STD-750, Method 1022;
MIL-STD-810, Method 504;
MIL-STD-883, Method 2015;
RTCA/DO-160, Section 11;
NEMA 250, Section 5.14.4;
Chrysler PF-9688, Sections 2.9.1, 2.9.3, & 2.9.4;
USCAR 2, Section 5.6.4

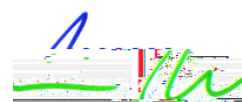
Temperature/Humidity

SAE J1211, Section 4.2;
SAE J1455, Section 4.2;
ASTM D618;
GM 4465P;
GMW3172, Sections 8.5.1, 9.4.5, & 9.4.6;
Ford FLTM BQ 104-07;
MIL-STD-202, Methods 103 & 106;
MIL-STD-750, Method 1021;
MIL-STD-810, Method 507;
MIL-STD-883, Method 1004

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Test Technology/Description:

Solderability

Resistance to Solder Heat

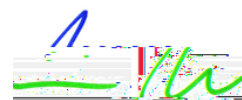
Rain Testing

Test Methods:

MIL-STD-202, Method 208;
MIL-STD-883, Method 2003

MIL-STD-202, Method 210;
MIL-STD-883, Method 2036 (Test Condition A and B)

USCAR 2, Method 5.6.7.2;
SAE J1455, Sections 4.4.3.1 & 4.5;
NEMA 250, Seany



Test Technology/Description:

Test Methods:

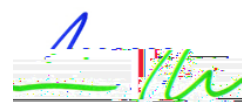
Drop/Impact

UN/ST/SG/AC.10/11/Rev.6, Section 38.3.4.6;
USCAR 2, Section 5.4.8;
ISTA 1A;
MIL-STD-810G, Method 516;
Chrysler PF-9688, Section 2.5

UV/Solar Radiation Test

MIL-STD-810, Method 505;
IEC 60068-2-5 (Ed. 2.0);
ASTM G155;
EN ISO 4892-2

¹ Including customer supplied and industry specifications directly related to the test technologies and parameters listed above.





Accredited Laboratory

ELEMENT MATERIALS TECHNOLOGY CHICAGO – MT. PROSPECT

Mount Prospect, IL

General requirements for the competence of testing and calibration laboratories



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