



Mechanical Testing Services

EMSL Analytical, Inc. offers a broad range of mechanical testing services. Testing capabilities at EMSL include compression, tensile, torsion, fatigue, low and high temperature testing, creep and stress rupture, abrasion, Rockwell hardness and micro-indentation hardness, etc. EMSL has equipment ranging from small load capacity of SEM in-situ tensile/compression stage or wire bond pull testers, to the high load capacity universal testing machine that can apply a quarter million lbf on a sample.

Key tests include:

- Tensile
- Compression
- Torsion
- Fatigue
- Flexure (3-point bend)
- Hardness (Rockwell, Brinell, Shore)
- Surface Roughness (Ra)
- Abrasion (Taber Abrasion)
- Alloy Identification
- Creep
- Stress Rupture