

MATERIALS TESTING LABORATORY (MTL)



MS ISO/IEC 17025
No: SAMM 903

Materials Testing Laboratory (MTL) is one of the service facilities at School Materials & Mineral Resources Engineering, Universiti Sains Malaysia. It is equipped with highly advanced instruments to provide accurate and reliable testing services.

MTL is an MS ISO/IEC 17025 accredited laboratory for mechanical testing of Tensile Strength for metallic and plastic samples (ASTM E8/E8M and ASTM D638) and Rockwell Hardness Test (ASTM E18).

MISSION

To provide our customers with high quality mechanical testing and advisory services whilst generating sustainable shareholder values

TENSILE TEST

Machine : Instron
Model : 5982
Load Cell : 5 kN and 100 kN

SCOPE OF TESTING :

- ✓ ASTM E8/E8M – Metallic Samples for Round and Rectangular Specimen
- ✓ ASTM D638 – Plastic Samples, Type 1 only.



ROCKWELL HARDNESS TEST

Machine : LECO
Model : FR-3EL
Test Type : Hardness HRC

SCOPE OF TESTING :

- ✓ ASTM E18 – Metallic Samples, 20 -70 HRC



No	Type of Testing	Equipment / Method	Rate of Testing (RM/sample)
1	Tensile	ASTM E8/E8M	200.00
2	Tensile	ASTM D638	200.00
3	Rockwell Hardness	ASTM E18	150.00 (5 measurement points/sample)

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