

Test Performed by: S. Asad Ali Gillani

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Lahore.  
(Upgradation/Rehabilitation of Infrastructure in Industrial Zone Phase -01, Part-A)

Client Reference No.: 4572/13/SA/09/19

Dated: 20-06-2023

SOM Lab Ref: CED/SOM/2521 (Page 1/1)

Dated: 05-07-2023

Test Type: Tensile Test & Unit Weight Test

Specification: ASTM A-36

Sample Type: MS Sheet (12mm)

Gauge Length: 2 inches

#### Tensile Test Results

Sr. No.	Size of strip (mm)	X Section Area (mm <sup>2</sup> )	Yield Load (kN)	Ultimate Load (kN)	Yield Stress (MPa)	Ultimate Tensile Stress (MPa)	Elongation (inch)	% Elongation
1	37.7 x 12.1	456.12	160.7	249.7	352	547	0.5	25.0

#### Weight and Size Test

Sr. No.	Sample Type	Weight (g)	Length (cm)	Width (cm)	Weight per Unit Area (Kg/m <sup>2</sup> )	Thickness (mm)
1	MS Sheet (12mm)	5052	50.4	10.4	96.38	12.1

Note: Please always confirm the results on web [www.uet-civil.edu.pk](http://www.uet-civil.edu.pk)