

Report No: 23-0232
 Report Date: 8 March 2023

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TENSILE TEST REPORT

Madewell Products
 18 Yazaki Way
 3201 Carrum Downs

Date of Testing: 6 March 2023
Specimen Description: Flat Steel Specimen
Testing Machine: TE 300kN MT-3004 Grade A
Strain Device: Epsilon 50mm Extensometer MT-1232 0.001mm

SPECIMEN DETAILS:

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Thickness:	a	(mm)	4.28
Width:	b	(mm)	12.63
Area:	S_o	(mm ²)	54.06
Gauge Length:	L_o	(mm)	40
Parallel Length:	L_c	(mm)	75

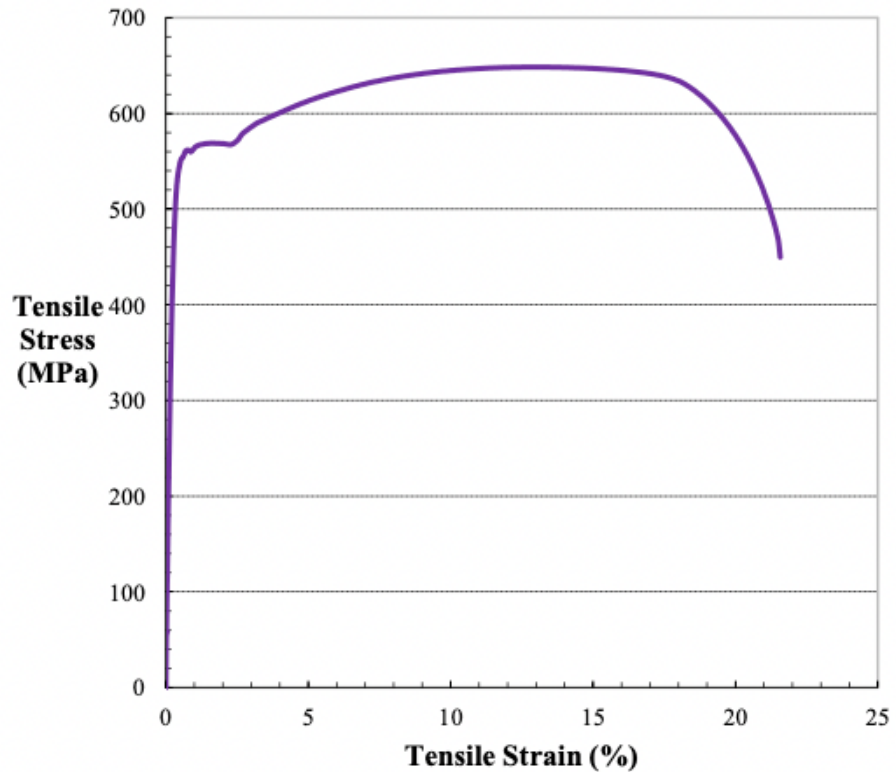
TENSILE PROPERTIES:

Tensile Strength:	R_m	(MPa)	648
Upper Yield Stress:	R_{eH}	(MPa)	562
Lower Yield Stress:	R_{eL}	(MPa)	560
Post Fracture Elongation:	A	(%)	30

TEST COMMENTS:

Tested and reported as a reduced section specimen in accordance with AS 1391-2020.

Post Fracture Elongation (A) computed on a proportional gauge length (L_o) of $5.65\sqrt{S_o}$.



Authorised Signatory:

Nisha Devaraj

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