# CERTIFIED MATERIAL TEST REPORT

GERDAU

US-ML-MIDLOTHIAN
300 WARD ROAD
MIDLOTHIAN, TX 76065
USA

| GRADE | SHAPE / SIZE | DOCUMENT ID: |
|---|---|---|
| A992/A572-50 | Wide Flange Beam / 18 X 40# / 460 X 60 | 0001019292 |

| LENGTH | PCS | WEIGHT | HEAT / BATCH |
|---|---|---|---|
| 60' 00" | 5 | 12,000 LB | **59109067**/09 |

| SALES ORDER | CUSTOMER MATERIAL Nº |
|---|---|
| 13481968/000040 | 000000003718400060 |

SPECIFICATION / DATE or REVISION
ASTM A6-17
ASTM A709-21 GR50
ASTM A992-20, A572-21
CSA G40.21-13 345WM, 50W

| CUSTOMER PURCHASE ORDER NUMBER | BILL OF LADING | DATE |
|---|---|---|
| G450042561 | 1327-0000553157 | 10/30/2023 |

CHEMICAL COMPOSITION

| C (%) | Mn (%) | P (%) | S (%) | Si (%) | Cu (%) | Ni (%) | Cr (%) | Mo(%) | Sn (%) | V (%) | Nb (%) | Al (%) | CEqvA6 (%) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0.09 | 0.90 | 0.011 | 0.036 | 0.20 | 0.29 | 0.09 | 0.16 | 0.025 | 0.007 | 0.001 | 0.018 | 0.001 | 0.30 |

MECHANICAL PROPERTIES

| YS 0.2% (PSI) | UTS (PSI) | YS (MPa) | UTS (MPa) | Y/T rati (%) | G/L (Inches) | G/L (mm) | Elong. (%) |
|---|---|---|---|---|---|---|---|
| 53342 | 68447 | 368 | 472 | 0.780 | 8.000 | 200.0 | 23.60 |
| 51317 | 66319 | 354 | 457 | 0.770 | 8.000 | 200.0 | 23.70 |

COMMENTS / NOTES

Gerdau's steel is 100% recyclable. Support the circular economy through our Metals Recycling Partnership. For details, visit www2.gerdau.com/metals-recycling, or contact metalsrecycling@gerdau.com.

The above figures are certified chemical and physical test records as contained in the permanent records of the company. We certify that these data are correct and in compliance with specified requirements. No weld repair was performed on this material. The material has not been in contact with mercury while in Gerdau possession. For all products other than billets or beam blanks, this material was produced (Electric Arc Furnace, Melted, Continuously Cast, Hot Rolled and, if applicable, Cold-Drawn) in the USA. For billets or beam blanks, this material was produced (Electric Arc Furnace, Melted and Continuously Cast) in the USA. CMTR complies with EN 10204 3.1.

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