

MULTIMET[®] alloy

Creep and Stress-Rupture Data

MULTIMET[®] Sheet, Solution Annealed

| Temperature | | Creep | Approximate Initial Stress to Produce Specified Creep in | | | | | |
|-------------|-----|-------|--|-----|-----------|-----|-------------|-----|
| | | | 10 Hours | | 100 Hours | | 1,000 Hours | |
| °F | °C | % | ksi | MPa | ksi | MPa | ksi | MPa |
| 1200 | 649 | 0.5 | 42 | 290 | 33 | 228 | 25 | 172 |
| | | 1 | 48 | 331 | 37 | 255 | 29 | 200 |
| | | R | 58 | 400 | 48 | 331 | 40 | 276 |
| 1300 | 704 | 0.5 | 30 | 207 | 23 | 159 | 17.5 | 121 |
| | | 1 | 36 | 248 | 27.5 | 190 | 21 | 145 |
| | | R | 46 | 317 | 37.5 | 259 | 29 | 200 |
| 1400 | 760 | 0.5 | 21.5 | 148 | 15.5 | 107 | 11 | 76 |
| | | 1 | 26 | 179 | 19 | 131 | 14 | 97 |
| | | R | 36 | 248 | 26 | 179 | 19 | 131 |
| 1500 | 816 | 0.5 | 15.5 | 107 | 11.5 | 79 | 8.0 | 55 |
| | | 1 | 18.5 | 128 | 13.5 | 93 | 9.5 | 66 |
| | | R | 26 | 179 | 18.5 | 128 | 13 | 90 |
| 1600 | 871 | 0.5 | 12.0 | 83 | 7.8 | 54 | 4.9 | 34 |
| | | 1 | 13.2 | 91 | 9.2 | 63 | 6.0 | 41 |
| | | R | 18.5 | 128 | 12 | 83 | 7.6 | 52 |
| 1700 | 927 | 0.5 | 7.5 | 52 | 4.8 | 33 | 2.8 | 19 |
| | | 1 | 9.0 | 62 | 5.8 | 40 | 3.4 | 23 |
| | | R | 12 | 83 | 7.8 | 54 | 4.7 | 32 |
| 1800 | 982 | 0.5 | 5.0 | 34 | 2.5 | 17 | 1.3 | 8.6 |
| | | 1 | 5.8 | 40 | 3.1 | 21 | 1.6 | 11 |
| | | R | 8.5 | 59 | 4.6 | 32 | 2.6 | 18 |