

Druck - Temperatur - Tabelle

Pressure - Temperature Rating



Material: A 352 LCC - ASME B16.34

Ratings for group 1.2 materials, standard Class 1.2A

| Temp. [°C] | Temp [°F] | Class 150 | | Class 300 | | Class 600 | | Class 900 | | Class 1500 | | Class 2500 | | Class 4500 | |
|---------------|--------------|-----------|-------|-----------|-------|-----------|---------|-----------|---------|------------|---------|------------|---------|------------|----------|
| | | [bar] | [psi] | [bar] | [psi] | [bar] | [psi] | [bar] | [psi] | [bar] | [psi] | [bar] | [psi] | [bar] | [psi] |
| -50,0 | -58,0 | 20,0 | 290,0 | 51,7 | 750,0 | 103,5 | 1.500,0 | 155,2 | 2.250,0 | 258,7 | 3.750,0 | 431,1 | 6.250,0 | 776,1 | 11.250,0 |
| -46,0 | -50,0 | 20,0 | 290,0 | 51,7 | 750,0 | 103,5 | 1.500,0 | 155,2 | 2.250,0 | 258,7 | 3.750,0 | 431,1 | 6.250,0 | 776,1 | 11.250,0 |
| -28,9 | -20,0 | 20,0 | 290,0 | 51,7 | 750,0 | 103,5 | 1.500,0 | 155,2 | 2.250,0 | 258,7 | 3.750,0 | 431,1 | 6.250,0 | 776,1 | 11.250,0 |
| 37,8 | 100,0 | 20,0 | 290,0 | 51,7 | 750,0 | 103,5 | 1.500,0 | 155,2 | 2.250,0 | 258,7 | 3.750,0 | 431,1 | 6.250,0 | 776,1 | 11.250,0 |
| 93,3 | 200,0 | 17,9 | 260,0 | 51,7 | 750,0 | 103,5 | 1.500,0 | 155,2 | 2.250,0 | 258,7 | 3.750,0 | 431,1 | 6.250,0 | 776,1 | 11.250,0 |
| 148,9 | 300,0 | 15,9 | 230,0 | 50,4 | 730,0 | 100,4 | 1.455,0 | 150,7 | 2.185,0 | 251,1 | 3.640,0 | 418,7 | 6.070,0 | 753,6 | 10.925,0 |
| 204,5 | 400,0 | 13,8 | 200,0 | 48,6 | 705,0 | 97,3 | 1.410,0 | 145,9 | 2.115,0 | 242,8 | 3.520,0 | 404,6 | 5.865,0 | 728,1 | 10.555,0 |
| 220,0 | 428,0 | 13,3 | 193,0 | 47,9 | 694,0 | 96,0 | 1.392,0 | 144,0 | 2.087,0 | 239,7 | 3.475,0 | 399,4 | 5.790,0 | 718,7 | 10.419,0 |
| 260,0 | 500,0 | 11,7 | 170,0 | 45,9 | 665,0 | 91,7 | 1.330,0 | 137,6 | 1.995,0 | 229,4 | 3.325,0 | 382,2 | 5.540,0 | 687,4 | 9.965,0 |
| 315,6 | 600,0 | 9,7 | 140,0 | 41,7 | 605,0 | 83,5 | 1.210,0 | 125,2 | 1.815,0 | 208,7 | 3.025,0 | 347,7 | 5.040,0 | 625,7 | 9.070,0 |
| 343,4 | 650,0 | 8,6 | 125,0 | 40,7 | 590,0 | 81,1 | 1.175,0 | 121,8 | 1.765,0 | 202,8 | 2.940,0 | 338,4 | 4.905,0 | 608,8 | 8.825,0 |
| 371,1 | 700,0 | 7,6 | 110,0 | 38,3 | 555,0 | 78,3 | 1.135,0 | 114,9 | 1.665,0 | 191,4 | 2.775,0 | 319,4 | 4.630,0 | 574,6 | 8.330,0 |
| 398,9 | 750,0 | 6,6 | 95,0 | 34,8 | 505,0 | 69,7 | 1.010,0 | 104,2 | 1.510,0 | 173,8 | 2.520,0 | 291,8 | 4.230,0 | 525,0 | 7.610,0 |
| 426,7 | 800,0 | 5,5 | 80,0 | 28,3 | 410,0 | 56,9 | 825,0 | 85,2 | 1.235,0 | 141,8 | 2.055,0 | 236,6 | 3.430,0 | 425,6 | 6.170,0 |
| 454,5 | 850,0 | 4,5 | 65,0 | 22,1 | 320,0 | 44,1 | 640,0 | 65,9 | 955,0 | 110,0 | 1.595,0 | 183,1 | 2.655,0 | 330,1 | 4.785,0 |
| 482,3 | 900,0 | 3,4 | 50,0 | 15,5 | 225,0 | 30,7 | 445,0 | 46,2 | 670,0 | 76,9 | 1.115,0 | 128,0 | 1.855,0 | 230,7 | 3.345,0 |
| 510,0 | 950,0 | 2,4 | 35,0 | 9,3 | 135,0 | 19,0 | 275,0 | 28,3 | 410,0 | 47,3 | 685,0 | 79,0 | 1.145,0 | 141,8 | 2.055,0 |
| 537,8 | 1000,0 | 1,4 | 20,0 | 5,9 | 85,0 | 11,7 | 170,0 | 17,6 | 255,0 | 29,7 | 430,0 | 49,3 | 715,0 | 88,6 | 1.285,0 |

Material in acc. with Chlorine Institute

> 220°C / 428°F pure graphite

(1) not to be used over 345°C / 650 F

