|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Átmérő** | **Fajlagos métersúly (kg/m)** | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| **Névleges falvastagság (mm)** | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| **mm** | **2,0** | **2,3** | **2,6** | **2,9** | **3,2** | **3,6** | **4,0** | **4,5** | **5,0** | **5,6** | **6,3** | **7,1** | **8,0** | **8,8** | **10,0** | **11,0** | **12,5** | **14,2** | **16,0** | **17,5** | **20,0** | **22,2** | **25,0** | **28,0** | **30,0** | **32,0** | **36,0** | **40,0** | **45,0** | **50,0** | **55,0** | **60,0** | **mm** |
| **13,5** | 0,57 | 0,64 | 0,70 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | **13,5** |
| **17,2** | 0,75 | 0,85 | 0,94 | 1,02 | 1,10 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | **17,2** |
| **21,3** | 0,95 | 1,08 | 1,20 | 1,32 | 1,43 |  | 1,71 |  | 2,01 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | **21,3** |
| **25,0** |  | 1,29 | 1,44 | 1,58 | 1,72 | 1,90 | 2,07 |  | 2,47 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | **25,0** |
| **26,9** |  | 1,40 | 1,56 | 1,72 | 1,87 |  | 2,26 |  | 2,70 |  | 3,20 | 3,47 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | **26,9** |
| **30,0** |  |  | 1,76 | 1,94 | 2,12 | 2,34 | 2,57 |  | 3,08 |  | 3,68 |  | 4,34 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | **30,0** |
| **31,8** |  |  | 1,87 | 2,07 |  |  | 2,74 |  | 3,30 | 3,62 | 3,96 |  | 4,70 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | **31,8** |
| **33,7** |  |  | 1,99 | 2,20 | 2,41 | 2,67 | 2,93 |  | 3,54 | 3,88 | 4,30 | 4,70 | 5,07 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | **33,7** |
| **38,0** |  |  | 2,27 | 2,51 | 2,75 |  | 3,35 |  | 4,07 | 4,47 | 4,93 | 5,41 | 5,92 | 6,34 | 6,91 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | **38,0** |
| **42,4** |  |  | 2,55 | 2,82 | 3,09 | 3,44 | 3,79 |  | 4,61 | 5,08 | 5,61 | 6,20 | 6,80 | 7,29 | 7,99 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | **42,4** |
| **44,5** |  |  | 2,69 |  | 3,26 |  | 4,00 |  | 4,87 |  | 5,94 | 6,55 | 7,20 | 7,75 | 8,51 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | **44,5** |
| **48,3** |  |  | 2,93 | 3,25 | 3,56 | 3,97 | 4,37 |  | 5,34 |  | 6,53 | 7,21 | 7,95 |  | 9,45 |  | 11,0 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | **48,3** |
| **51,0** |  |  | 3,10 |  | 3,77 | 4,21 | 4,64 | 5,16 | 5,67 | 6,27 | 6,95 | 7,69 | 8,48 | 9,16 | 10,1 |  | 11,9 | 12,9 |  |  |  |  |  |  |  |  |  |  |  |  |  |  | **51,0** |
| **54,0** |  |  |  |  |  |  | 4,93 |  | 6,04 |  | 7,41 | 8,21 | 9,08 | 9,81 | 10,9 |  | 12,9 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | **54,0** |
| **57,0** |  |  |  | 3,87 | 4,25 |  | 5,23 |  | 6,41 | 7,10 | 7,88 | 8,74 | 9,67 |  | 11,6 |  | 13,8 | 15,0 | 16,2 |  |  |  |  |  |  |  |  |  |  |  |  |  | **57,0** |
| **60,3** |  |  |  | 4,11 | 4,51 |  | 5,55 | 6,19 | 6,82 | 7,55 | 8,39 | 9,32 | 10,3 |  | 12,4 | 13,4 | 14,7 | 16,1 | 17,5 | 18,5 |  |  |  |  |  |  |  |  |  |  |  |  | **60,3** |
| **63,5** |  |  |  | 4,33 | 4,76 |  | 5,87 |  | 7,21 | 8,00 | 8,89 | 9,88 | 11,0 | 11,9 | 13,2 | 14,2 | 15,7 | 17,3 | 18,7 | 19,9 |  |  |  |  |  |  |  |  |  |  |  |  | **63,5** |
| **70,0** |  |  |  | 4,80 | 5,27 | 5,90 | 6,51 |  | 8,0 | 8,89 | 9,9 | 11,0 | 12,2 | 13,3 | 14,8 | 16,0 | 17,7 | 19,5 | 21,3 | 22,7 | 24,7 |  |  |  |  |  |  |  |  |  |  |  | **70,0** |
| **73,0** |  |  |  |  |  |  |  |  | 8,38 |  | 10,4 |  |  |  |  | 16,8 |  |  |  |  | 26,1 |  |  |  |  |  |  |  |  |  |  |  | **73,0** |
| **76,1** |  |  |  | 5,24 | 5,75 | 6,44 | 7,11 |  | 8,77 | 9,7 | 10,8 | 12,1 | 13,4 | 14,6 | 16,3 |  | 19,6 | 21,7 | 23,7 | 25,3 | 27,7 |  |  |  |  |  |  |  |  |  |  |  | **76,1** |
| **82,5** |  |  |  |  |  |  | 7,74 |  | 9,56 |  | 11,8 | 13,2 | 14,7 | 16,0 | 17,9 | 19,4 | 21,6 | 23,9 | 26,2 | 28,1 | 30,8 |  | 35,5 |  |  |  |  |  |  |  |  |  | **82,5** |
| **88,9** |  |  |  |  | 6,76 | 7,57 | 8,38 |  | 10,4 | 11,5 | 12,8 | 14,3 | 16,0 | 17,4 | 19,5 |  | 23,6 | 26,2 | 28,8 | 30,8 | 34,0 | 36,5 | 39,4 |  |  |  |  |  |  |  |  |  | **88,9** |
| **95,0** |  |  |  |  |  |  | 8,98 |  | 11,1 |  | 13,8 | 15,4 | 17,2 | 18,7 | 21,0 | 22,8 | 25,4 | 28,9 | 31,2 | 33,5 | 37,0 | 39,9 | 43,2 |  |  |  |  |  |  |  |  |  | **95,0** |
| **101,6** |  |  |  |  |  | 8,70 | 9,63 | 10,8 | 11,9 | 13,3 | 14,8 | 16,6 | 18,5 | 20,1 | 22,6 |  | 27,5 | 30,6 | 33,8 | 36,3 | 40,3 |  | 47,2 |  | 53,0 |  |  |  |  |  |  |  | **101,6** |
| **108,0** |  |  |  |  |  | 9,27 | 10,3 |  | 12,7 |  | 15,8 | 17,7 | 19,7 | 21,5 | 24,2 |  | 29,4 | 32,9 | 36,3 | 39,1 | 43,4 | 47,0 | 51,2 | 55,2 | 57,7 |  |  |  |  |  |  |  | **108,0** |
| **114,3** |  |  |  |  |  | 9,83 | 10,9 | 12,2 | 13,5 | 15,0 | 16,8 | 18,8 | 21,0 | 22,9 | 25,7 |  | 31,4 | 35,1 | 38,8 | 41,8 | 46,5 | 50,4 | 55,1 | 59,6 | 62,4 | 64,9 | 69,5 |  |  |  |  |  | **114,3** |
| **121,0** |  |  |  |  |  |  |  |  | 14,3 |  | 17,8 | 19,9 | 22,3 | 24,4 | 27,4 |  | 33,5 | 37,4 | 41,4 | 44,7 | 49,8 |  | 59,2 |  | 67,3 |  | 75,5 |  |  |  |  |  | **121,0** |
| **127,0** |  |  |  |  |  |  | 12,1 |  | 15,0 | 16,8 | 18,8 | 21,0 | 23,5 | 26,0 | 28,9 | 31,5 | 35,3 | 39,5 | 43,8 | 47,3 | 52,8 | 57,4 | 62,9 | 68,4 | 71,8 |  | 80,8 |  |  |  |  |  | **127,0** |
| **133,0** |  |  |  |  |  |  | 12,7 |  | 15,8 | 17,6 | 19,7 | 22,0 | 24,7 | 27,0 | 30,3 |  | 37,1 | 41,6 | 46,2 | 49,8 | 55,7 | 60,7 | 66,6 |  | 76,2 |  | 86,1 |  |  |  |  |  | **133,0** |
| **139,7** |  |  |  |  |  |  | 13,4 | 15,0 | 16,6 | 18,5 | 20,7 | 23,2 | 26,0 | 28,4 | 32,0 |  | 39,1 | 44,0 | 48,8 | 52,7 | 59,0 |  | 70,7 |  | 81,2 | 85,0 | 92,1 | 98,4 |  |  |  |  | **139,7** |
| **146,0** |  |  |  |  |  |  |  |  |  | 19,4 | 21,7 |  | 27,2 | 29,8 | 33,5 |  | 41,2 | 46,2 | 51,3 | 55,5 | 62,1 |  | 74,6 |  | 85,8 |  | 97,6 | 105 |  |  |  |  | **146,0** |
| **152,4** |  |  |  |  |  |  |  | 16,4 | 18,2 | 20,3 | 22,7 |  | 28,5 |  | 35,1 |  | 43,1 | 48,4 | 53,8 | 58,2 | 65,3 | 71,3 | 78,5 |  | 90,6 |  | 103 | 111 |  |  |  |  | **152,4** |
| **159,0** |  |  |  |  |  |  |  | 17,2 | 19,0 |  | 23,7 | 26,6 | 29,8 | 32,6 | 36,7 | 40,2 | 45,2 | 50,7 | 56,4 | 61,1 | 68,6 | 74,9 | 82,6 |  | 95,4 | 100 | 109 | 117 |  | 134 |  |  | **159,0** |
| **168,3** |  |  |  |  |  |  |  | 18,2 | 20,1 | 22,5 | 25,2 | 28,2 | 31,6 | 34,6 | 39,0 | 42,7 | 48,0 | 54,0 | 60,1 | 65,1 | 74,1 |  | 88,3 | 96,9 | 102 | 108 | 117 | 127 |  | 146 |  |  | **168,3** |
| **171,0** |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 90,0 |  |  |  |  |  |  |  |  |  | **171,0** |
| **177,8** |  |  |  |  |  |  |  |  | 21,3 |  | 26,6 |  | 33,5 | 36,7 | 41,4 |  | 51,0 | 57,3 | 63,8 | 69,2 | 77,8 | 85,2 | 94,2 |  | 109 | 115 | 126 | 136 |  | 158 |  |  | **177,8** |
| **193,7** |  |  |  |  |  |  |  |  |  | 26,0 | 29,1 | 32,7 | 36,6 | 40,1 | 45,3 |  | 55,9 | 62,9 | 70,1 | 76,0 | 85,7 | 93,9 | 104 | 114 | 121 | 128 | 140 | 152 |  | 177 |  |  | **193,7** |
| **203,0** |  |  |  |  |  |  |  |  |  |  | 30,6 | 34,3 | 38,5 |  | 47,6 |  | 58,7 | 66,1 | 73,8 | 80,1 | 90,3 |  | 110 |  | 128 |  | 148 | 161 |  | 189 |  |  | **203,0** |
| **216,0** |  |  |  |  |  |  |  |  |  |  |  |  | 41,0 |  | 50,8 |  | 62,7 |  | 78,9 |  | 96,7 |  | 118 | 130 | 138 |  | 160 | 174 |  | 205 |  | 231 | **216,0** |
| **219,1** |  |  |  |  |  |  |  |  |  |  | 33,1 | 37,1 | 41,7 | 45,6 | 51,6 |  | 63,7 | 71,8 | 80,1 | 87,0 | 98,2 | 108 | 120 | 132 | 140 | 148 | 163 | 177 | 193 | 209 |  | 235 | **219,1** |
| **229,0** |  |  |  |  |  |  |  |  |  |  |  |  | 43,6 |  | 54,0 |  | 66,7 |  | 84,0 | 91,3 | 103 |  | 126 |  | 147 |  | 171 | 186 | 204 | 221 |  | 250 | **229,0** |
| **244,5** |  |  |  |  |  |  |  |  |  |  | 37,0 | 41,6 | 46,7 | 51,2 | 57,8 |  | 71,5 | 80,7 | 90,2 | 98,0 | 111 | 122 | 135 | 149 | 159 |  | 185 | 202 | 221 | 240 | 257 | 273 | **244,5** |
| **254,0** |  |  |  |  |  |  |  |  |  |  | 38,5 |  | 48,5 |  | 60,2 |  | 74,4 | 84,0 | 93,9 |  | 115 | 127 | 141 |  | 166 | 175 | 194 | 211 |  | 252 |  | 287 | **254,0** |
| **267,0** |  |  |  |  |  |  |  |  |  |  | 40,5 | 45,5 | 51,1 |  | 63,4 | 69,4 | 78,5 | 88,5 | 99,0 |  | 122 |  | 149 |  | 175 |  | 205 | 224 | 246 | 268 |  | 306 | **267,0** |
| **273,0** |  |  |  |  |  |  |  |  |  |  | 41,4 | 46,6 | 52,3 | 57,3 | 64,9 |  | 80,3 | 90,6 | 101 | 110 | 125 | 137 | 153 | 169 | 180 | 190 | 210 | 230 | 253 | 275 |  | 315 | **273,0** |
| **279,0** |  |  |  |  |  |  |  |  |  |  |  |  | 53,5 |  |  |  |  |  |  |  |  |  | 157 |  | 184 |  |  | 236 |  | 282 |  | 324 | **279,0** |
| **298,5** |  |  |  |  |  |  |  |  |  |  |  | 51,0 | 57,3 | 62,9 | 71,1 | 78,0 | 88,2 | 99,6 | 111 | 121 | 137 | 151 | 169 | 187 | 199 |  | 233 | 255 | 281 | 306 |  | 353 | **298,5** |
| **305,0** |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 72,8 |  |  |  | 114 |  |  |  |  |  |  |  |  |  |  |  |  |  | **305,0** |
| **318,0** |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 76,0 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | **318,0** |
| **323,9** |  |  |  |  |  |  |  |  |  |  |  | 55,5 | 62,3 | 68,4 | 77,4 |  | 96,7 | 108 | 121 | 132 | 150 | 165 | 184 |  | 217 | 230 | 256 | 280 | 310 | 338 |  | 390 | **323,9** |
| **330,0** |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 153 |  |  |  |  |  |  |  |  |  |  |  | **330,0** |
| **343,0** |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 82,1 |  |  |  |  |  | 159 | 176 | 196 |  | 232 |  | 273 | 299 |  | 361 |  | 419 | **343,0** |
| **355,6** |  |  |  |  |  |  |  |  |  |  |  |  | 68,6 |  | 85,2 |  | 106 | 120 | 134 | 146 | 166 | 183 | 204 |  | 241 | 255 | 284 | 311 | 345 | 377 |  | 437 | **355,6** |
| **368,0** |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 88,3 |  | 110 |  | 139 | 151 | 172 | 189 | 211 |  | 250 |  | 295 | 324 | 358 | 392 |  | 456 | **368,0** |
| **381,0** |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 260 |  |  |  |  |  |  |  | **381,0** |
| **394,0** |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 227 | 253 | 269 |  |  | 349 |  |  |  |  | **394,0** |
| **406,4** |  |  |  |  |  |  |  |  |  |  |  |  |  | 86,3 | 97,8 |  | 121 | 137 | 154 | 168 | 191 | 210 | 235 | 261 | 278 | 295 | 329 | 361 |  | 439 |  | 513 | **406,4** |
| **419,0** |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 101 |  | 125 | 142 | 159 |  | 197 |  | 243 |  | 288 |  |  | 374 | 415 | 455 |  | 531 | **419,0** |
| **445,0** |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 210 |  |  |  | 307 |  |  | 399 |  |  |  |  | **445,0** |
| **457,0** |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 110 |  | 137 | 155 | 174 |  | 216 | 238 | 266 | 296 | 316 | 335 | 374 | 411 | 457 | 502 |  | 587 | **457,0** |
| **495,0** |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 189 |  | 234 |  |  |  | 344 |  |  | 449 |  |  |  |  | **495,0** |
| **508,0** |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 135 | 153 | 173 | 194 | 212 | 241 |  | 298 |  | 354 | 376 | 419 | 462 | 514 | 565 |  | 663 | **508,0** |
| **559,0** |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 168 |  | 214 |  | 266 |  | 329 |  | 391 |  | 464 | 512 |  | 628 |  | 738 | **559,0** |
| **610,0** |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 184 |  | 234 | 256 | 291 |  | 361 |  | 429 |  | 510 | 562 | 627 | 690 |  | 814 | **610,0** |
|  | **2,0** | **2,3** | **2,6** | **2,9** | **3,2** | **3,6** | **4,0** | **4,5** | **5,0** | **5,6** | **6,3** | **7,1** | **8,0** | **8,8** | **10,0** | **11,0** | **12,5** | **14,2** | **16,0** | **17,5** | **20,0** | **22,2** | **25,0** | **28,0** | **30,0** | **32,0** | **36,0** | **40,0** | **45,0** | **50,0** | **55,0** | **60,0** |  |