|  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| M2AXphase | a | c | dMX | dMA | C11 | C12 | C13 | C33 | C44 | B | G | E |
| Sc2AlC | 3.297 | 15.04 | 1.242 | 2.517 | 175 | 59 | 33 | 191 | 44 | 88 | 57 | 140 |
| Sc2AlN | 3.217 | 14.53 | 1.231 | 2.401 | 213 | 60 | 48 | 228 | 72 | 107 | 77 | 187 |
| Sc2SiC | 3.301 | 13.95 | 1.242 | 2.247 | 203 | 62 | 48 | 234 | 74 | 106 | 76 | 184 |
| Sc2SiN | 3.219 | 13.50 | 1.231 | 2.143 | 231 | 65 | 74 | 266 | 96 | 128 | 89 | 218 |
| Sc2PC | 3.365 | 12.77 | 1.250 | 1.944 | 190 | 95 | 71 | 233 | 88 | 121 | 70 | 175 |
| Sc2PN | 3.403 | 11.89 | 1.236 | 1.737 | 197 | 89 | 95 | 277 | 106 | 137 | 80 | 200 |
| Sc2SC | 3.451 | 11.95 | 1.225 | 1.763 | 247 | 69 | 59 | 267 | 89 | 126 | 91 | 221 |
| Sc2SN | 3.368 | 11.79 | 1.192 | 1.755 | 261 | 75 | 78 | 284 | 109 | 141 | 101 | 244 |
| Sc2GaC | 3.306 | 14.70 | 1.240 | 2.433 | 174 | 64 | 37 | 179 | 40 | 89 | 53 | 133 |
| Sc2GaN | 3.232 | 14.11 | 1.230 | 2.298 | 214 | 60 | 57 | 214 | 70 | 110 | 75 | 183 |
| Sc2GeC | 3.324 | 14.06 | 1.235 | 2.279 | 200 | 61 | 48 | 216 | 68 | 103 | 72 | 175 |
| Sc2GeN | 3.244 | 13.63 | 1.218 | 2.190 | 229 | 63 | 67 | 242 | 84 | 122 | 84 | 204 |
| Sc2AsC | 3.380 | 13.26 | 1.229 | 2.086 | 186 | 83 | 66 | 218 | 76 | 113 | 66 | 165 |
| Sc2AsN | 3.376 | 12.55 | 1.216 | 1.921 | 152 | 104 | 106 | 239 | 92 | 131 | 57 | 148 |
| Sc2CdC | 3.324 | 15.63 | 1.230 | 2.678 | 152 | 57 | 27 | 130 | 12 | 73 | 36 | 92 |
| Sc2CdN | 3.248 | 15.12 | 1.217 | 2.563 | 173 | 76 | 37 | 174 | 15 | 92 | 40 | 106 |
| Sc2InC | 3.355 | 15.36 | 1.226 | 2.614 | 175 | 59 | 33 | 173 | 41 | 86 | 54 | 135 |
| Sc2InN | 3.279 | 14.90 | 1.202 | 2.524 | 204 | 60 | 47 | 199 | 59 | 102 | 68 | 167 |
| Sc2SnC | 3.380 | 14.87 | 1.211 | 2.507 | 190 | 58 | 42 | 181 | 55 | 93 | 63 | 154 |
| Sc2SnN | 3.306 | 14.48 | 1.184 | 2.437 | 217 | 60 | 53 | 220 | 68 | 110 | 75 | 184 |
| Sc2TlC | 3.375 | 15.31 | 1.221 | 2.607 | 180 | 54 | 30 | 166 | 37 | 84 | 55 | 135 |
| Sc2TlN | 3.304 | 14.86 | 1.193 | 2.523 | 205 | 62 | 48 | 192 | 54 | 102 | 65 | 162 |
| Sc2PbC | 3.411 | 15.10 | 1.198 | 2.577 | 186 | 57 | 35 | 160 | 46 | 87 | 58 | 142 |
| Sc2PbN | 3.342 | 14.68 | 1.166 | 2.504 | 212 | 61 | 45 | 186 | 53 | 101 | 67 | 165 |
| Ti2AlC | 3.071 | 13.73 | 1.147 | 2.286 | 302 | 62 | 61 | 269 | 109 | 138 | 113 | 267 |
| Ti2AlN | 2.999 | 13.63 | 1.165 | 2.243 | 309 | 66 | 91 | 280 | 125 | 155 | 118 | 281 |
| Ti2SiC | 3.057 | 12.85 | 1.179 | 2.034 | 300 | 81 | 110 | 314 | 140 | 169 | 119 | 288 |
| Ti2SiN | 2.990 | 12.83 | 1.188 | 2.019 | 284 | 108 | 125 | 359 | 149 | 183 | 115 | 285 |
| Ti2PC | 3.191 | 11.50 | 1.166 | 1.710 | 252 | 123 | 148 | 343 | 168 | 187 | 109 | 273 |
| Ti2PN | 3.161 | 11.34 | 1.122 | 1.712 | 329 | 113 | 133 | 384 | 174 | 200 | 135 | 331 |
| Ti2SC | 3.208 | 11.27 | 1.118 | 1.700 | 331 | 98 | 97 | 348 | 157 | 177 | 134 | 321 |
| Ti2SN | 3.202 | 11.06 | 1.051 | 1.715 | 321 | 89 | 118 | 341 | 135 | 181 | 121 | 297 |
| Ti2GaC | 3.083 | 13.43 | 1.143 | 2.215 | 303 | 66 | 63 | 263 | 101 | 139 | 109 | 260 |
| Ti2GaN | 3.016 | 13.33 | 1.154 | 2.178 | 298 | 78 | 100 | 276 | 118 | 159 | 109 | 265 |
| Ti2GeC | 3.093 | 13.01 | 1.157 | 2.097 | 278 | 75 | 96 | 283 | 118 | 152 | 106 | 257 |
| Ti2GeN | 3.042 | 12.94 | 1.154 | 2.081 | 254 | 113 | 118 | 298 | 122 | 167 | 94 | 236 |
| Ti2AsC | 3.195 | 12.12 | 1.138 | 1.892 | 225 | 147 | 123 | 286 | 142 | 169 | 87 | 224 |
| Ti2AsN | 3.201 | 11.72 | 1.086 | 1.844 | 290 | 109 | 125 | 326 | 148 | 181 | 114 | 281 |
| Ti2CdC | 3.106 | 14.54 | 1.127 | 2.509 | 253 | 71 | 47 | 203 | 31 | 116 | 67 | 168 |
| Ti2CdN | 3.082 | 14.15 | 1.088 | 2.450 | 270 | 83 | 58 | 235 | 68 | 130 | 84 | 208 |
| Ti2InC | 3.148 | 14.20 | 1.110 | 2.440 | 282 | 65 | 55 | 240 | 86 | 128 | 98 | 234 |
| Ti2InN | 3.095 | 14.05 | 1.111 | 2.401 | 229 | 56 | 106 | 248 | 92 | 138 | 83 | 208 |
| Ti2SnC | 3.180 | 13.79 | 1.111 | 2.335 | 260 | 78 | 70 | 254 | 93 | 135 | 93 | 226 |
| Ti2SnN | 3.180 | 13.46 | 1.045 | 2.320 | 238 | 86 | 81 | 254 | 79 | 136 | 79 | 198 |
| Ti2TlC | 3.177 | 14.22 | 1.098 | 2.457 | 278 | 71 | 51 | 226 | 74 | 125 | 91 | 219 |
| Ti2TlN | 3.167 | 13.85 | 1.044 | 2.418 | 246 | 78 | 69 | 237 | 74 | 129 | 81 | 200 |
| Ti2PbC | 3.231 | 14.01 | 1.080 | 2.423 | 235 | 90 | 53 | 211 | 66 | 119 | 73 | 182 |
| Ti2PbN | 3.239 | 13.65 | 0.998 | 2.415 | 235 | 92 | 56 | 211 | 56 | 121 | 68 | 173 |
| V2AlC | 2.914 | 13.11 | 1.119 | 2.159 | 339 | 71 | 111 | 310 | 147 | 175 | 132 | 316 |
| V2AlN | 2.877 | 13.13 | 1.122 | 2.160 | 325 | 60 | 127 | 341 | 140 | 180 | 128 | 310 |
| V2SiC | 2.965 | 11.96 | 1.114 | 1.877 | 309 | 117 | 180 | 325 | 189 | 211 | 126 | 315 |
| V2SiN | 2.944 | 12.02 | 1.083 | 1.922 | 286 | 142 | 171 | 344 | 148 | 209 | 102 | 263 |
| V2PC | 3.079 | 10.90 | 1.070 | 1.654 | 376 | 113 | 168 | 386 | 204 | 227 | 154 | 376 |
| V2PN | 3.046 | 11.03 | 1.038 | 1.720 | 350 | 135 | 176 | 384 | 153 | 229 | 122 | 312 |
| V2SC | 3.124 | 10.76 | 1.012 | 1.679 | 335 | 101 | 147 | 330 | 125 | 199 | 114 | 286 |
| V2GaC | 2.942 | 12.85 | 1.098 | 2.114 | 334 | 81 | 111 | 299 | 138 | 175 | 125 | 302 |
| V2GaN | 2.933 | 12.73 | 1.072 | 2.110 | 281 | 71 | 142 | 293 | 128 | 174 | 105 | 263 |
| V2GeC | 3.016 | 12.18 | 1.070 | 1.976 | 289 | 122 | 134 | 279 | 142 | 182 | 105 | 263 |
| V2GeN | 3.007 | 12.10 | 1.035 | 1.989 | 274 | 146 | 153 | 292 | 121 | 194 | 87 | 226 |
| V2AsC | 3.113 | 11.42 | 1.040 | 1.816 | 330 | 124 | 137 | 320 | 161 | 197 | 124 | 307 |
| V2AsN | 3.084 | 11.52 | 1.011 | 1.868 | 307 | 145 | 145 | 345 | 108 | 203 | 94 | 245 |
| V2CdC | 2.995 | 13.85 | 1.048 | 2.414 | 228 | 0 | 104 | 205 | 77 | 120 | 84 | 203 |
| V2CdN | 2.974 | 13.74 | 1.028 | 2.408 | 308 | 81 | 99 | 249 | 82 | 158 | 95 | 236 |
| V2InC | 3.030 | 13.59 | 1.053 | 2.345 | 306 | 85 | 93 | 271 | 103 | 158 | 104 | 256 |
| V2InN | 3.041 | 13.33 | 1.001 | 2.332 | 244 | 91 | 112 | 264 | 89 | 154 | 80 | 204 |
| V2SnC | 3.133 | 12.92 | 0.980 | 2.251 | 224 | 75 | 100 | 247 | 80 | 138 | 75 | 189 |
| V2SnN | 3.138 | 12.74 | 0.924 | 2.261 | 176 | 133 | 102 | 257 | 52 | 143 | 43 | 117 |
| V2TlC | 3.115 | 13.44 | 0.981 | 2.379 | 195 | 41 | 93 | 225 | 70 | 119 | 69 | 173 |
| V2TlN | 3.159 | 12.98 | 0.884 | 2.362 | 219 | 164 | 68 | 225 | 66 | 140 | 56 | 148 |
| V2PbC | 3.204 | 13.14 | 0.920 | 2.364 | 232 | 104 | 61 | 195 | 53 | 123 | 63 | 161 |
| V2PbN | 3.206 | 12.98 | 0.867 | 2.378 | 211 | 148 | 46 | 200 | 17 | 122 | 39 | 105 |
| Cr2AlC | 2.848 | 12.68 | 1.074 | 2.096 | 365 | 84 | 102 | 369 | 140 | 186 | 138 | 332 |
| Cr2AlN | 2.835 | 12.73 | 1.063 | 2.119 | 279 | 66 | 150 | 368 | 84 | 184 | 92 | 237 |
| Cr2SiC | 2.878 | 11.89 | 1.068 | 1.905 | 307 | 129 | 167 | 400 | 81 | 215 | 87 | 229 |
| Cr2SiN | 2.880 | 11.85 | 1.028 | 1.935 | 249 | 165 | 190 | 410 | 42 | 222 | 49 | 138 |
| Cr2PC | 3.002 | 10.88 | 1.027 | 1.693 | 295 | 141 | 197 | 353 | 139 | 224 | 98 | 257 |
| Cr2PN | 2.995 | 10.94 | 1.037 | 1.697 | 294 | 109 | 172 | 400 | 119 | 210 | 101 | 262 |
| Cr2SC | 3.111 | 10.47 | 0.949 | 1.668 | 324 | 127 | 136 | 287 | 81 | 192 | 88 | 229 |
| Cr2GaC | 2.875 | 12.50 | 1.060 | 2.066 | 312 | 81 | 139 | 325 | 128 | 185 | 114 | 283 |
| Cr2GaN | 2.910 | 12.29 | 0.995 | 2.077 | 198 | 94 | 151 | 309 | 94 | 166 | 68 | 180 |
| Cr2GeC | 2.942 | 12.02 | 1.024 | 1.979 | 308 | 147 | 140 | 333 | 74 | 200 | 81 | 213 |
| Cr2GeN | 2.972 | 11.79 | 0.966 | 1.981 | 231 | 168 | 146 | 336 | 62 | 191 | 53 | 147 |
| Cr2AsC | 3.042 | 11.38 | 0.984 | 1.861 | 227 | 104 | 203 | 275 | 87 | 195 | 62 | 168 |
| Cr2AsN | 3.070 | 11.15 | 0.897 | 1.889 | 285 | 194 | 140 | 334 | 63 | 206 | 63 | 171 |
| Cr2CdC | 2.927 | 13.58 | 1.008 | 2.386 | 311 | 83 | 97 | 247 | 74 | 158 | 92 | 230 |
| Cr2CdN | 3.004 | 13.20 | 0.924 | 2.375 | 262 | 98 | 72 | 238 | 58 | 139 | 74 | 189 |
| Cr2InC | 3.026 | 13.05 | 0.963 | 2.299 | 189 | 70 | 95 | 244 | 70 | 127 | 64 | 163 |
| Cr2InN | 3.062 | 12.72 | 0.891 | 2.289 | 245 | 149 | 88 | 262 | 72 | 156 | 67 | 175 |
| Cr2SnC | 3.102 | 12.54 | 0.926 | 2.208 | 245 | 142 | 94 | 252 | 57 | 156 | 60 | 160 |
| Cr2SnN | 3.087 | 12.45 | 0.890 | 2.221 | 247 | 164 | 89 | 285 | 37 | 163 | 52 | 141 |
| Cr2TlC | 3.093 | 13.16 | 0.931 | 2.359 | 243 | 114 | 22 | 213 | 52 | 113 | 70 | 173 |
| Cr2TlN | 3.107 | 12.80 | 0.868 | 2.331 | 257 | 157 | 69 | 207 | 60 | 146 | 62 | 163 |
| Cr2PbC | 3.161 | 12.85 | 0.889 | 2.324 | 239 | 122 | 75 | 171 | 36 | 133 | 51 | 136 |
| Cr2PbN | 3.153 | 12.78 | 0.849 | 2.345 | 239 | 147 | 46 | 144 | 10 | 122 | 39 | 105 |
| Mo2AlC | 3.038 | 13.48 | 1.207 | 2.162 | 333 | 97 | 144 | 327 | 137 | 196 | 119 | 296 |
| Mo2SiC | 3.119 | 12.39 | 1.159 | 1.938 | 311 | 149 | 192 | 338 | 124 | 225 | 94 | 248 |
| Mo2PC | 3.200 | 11.62 | 1.113 | 1.793 | 262 | 148 | 218 | 329 | 105 | 225 | 71 | 193 |
| Mo2PN | 3.324 | 10.94 | 0.965 | 1.771 | 303 | 223 | 163 | 329 | 79 | 226 | 65 | 179 |
| Mo2SN | 3.340 | 10.96 | 0.955 | 1.785 | 301 | 196 | 145 | 267 | 19 | 204 | 44 | 122 |
| Mo2GaC | 3.084 | 13.16 | 1.168 | 2.121 | 294 | 98 | 160 | 289 | 127 | 190 | 101 | 257 |
| Mo2GaN | 2.878 | 14.51 | 1.399 | 2.229 | 249 | 225 | 172 | 377 | 66 | 224 | 49 | 137 |
| Mo2GeC | 3.149 | 12.64 | 1.131 | 2.028 | 299 | 151 | 170 | 325 | 97 | 212 | 83 | 219 |
| Mo2AsC | 3.225 | 12.17 | 1.082 | 1.959 | 247 | 140 | 200 | 306 | 60 | 209 | 52 | 144 |
| Mo2AsN | 3.342 | 11.47 | 0.950 | 1.917 | 309 | 176 | 144 | 329 | 74 | 208 | 75 | 201 |
| Mo2CdC | 3.089 | 14.37 | 1.142 | 2.450 | 287 | 80 | 116 | 256 | 77 | 162 | 86 | 218 |
| Mo2CdN | 2.919 | 15.36 | 1.343 | 2.498 | 216 | 165 | 151 | 300 | 94 | 185 | 60 | 163 |
| Mo2InC | 3.140 | 14.01 | 1.126 | 2.375 | 270 | 94 | 127 | 286 | 85 | 169 | 83 | 215 |
| Mo2SnC | 3.203 | 13.52 | 1.095 | 2.285 | 262 | 149 | 133 | 301 | 43 | 184 | 56 | 152 |
| Mo2TlC | 3.191 | 14.02 | 1.085 | 2.418 | 241 | 105 | 126 | 230 | 65 | 158 | 63 | 167 |
| Mo2TlN | 3.321 | 13.30 | 0.929 | 2.395 | 226 | 124 | 77 | 213 | 55 | 136 | 58 | 153 |
| Mo2PbC | 3.241 | 13.84 | 1.068 | 2.392 | 231 | 136 | 115 | 225 | 10 | 158 | 35 | 97 |
| Mo2PbN | 3.340 | 13.23 | 0.944 | 2.364 | 221 | 89 | 106 | 228 | 35 | 141 | 52 | 138 |
| Nb2AlC | 3.125 | 13.91 | 1.238 | 2.239 | 310 | 90 | 118 | 289 | 139 | 173 | 116 | 285 |
| Nb2AlN | 3.009 | 14.38 | 1.349 | 2.247 | 309 | 136 | 132 | 331 | 144 | 194 | 112 | 281 |
| Nb2SiC | 3.233 | 12.38 | 1.197 | 1.899 | 303 | 131 | 169 | 333 | 183 | 209 | 122 | 305 |
| Nb2SiN | 3.242 | 12.15 | 1.146 | 1.891 | 279 | 167 | 177 | 316 | 170 | 213 | 103 | 265 |
| Nb2PC | 3.303 | 11.61 | 1.158 | 1.745 | 369 | 113 | 171 | 385 | 187 | 226 | 145 | 358 |
| Nb2PN | 3.294 | 11.53 | 1.119 | 1.763 | 296 | 129 | 192 | 352 | 142 | 219 | 102 | 266 |
| Nb2SC | 3.312 | 11.65 | 1.110 | 1.803 | 309 | 106 | 159 | 310 | 118 | 197 | 101 | 258 |
| Nb2SN | 3.145 | 12.29 | 1.294 | 1.779 | 317 | 130 | 197 | 328 | 144 | 223 | 106 | 273 |
| Nb2GaC | 3.153 | 13.59 | 1.214 | 2.183 | 309 | 80 | 138 | 262 | 126 | 177 | 108 | 270 |
| Nb2GaN | 3.007 | 14.32 | 1.355 | 2.226 | 312 | 139 | 135 | 340 | 136 | 198 | 109 | 275 |
| Nb2GeC | 3.259 | 12.60 | 1.166 | 1.985 | 287 | 126 | 160 | 266 | 159 | 192 | 106 | 268 |
| Nb2GeN | 3.269 | 12.35 | 1.118 | 1.969 | 266 | 167 | 161 | 290 | 147 | 200 | 91 | 236 |
| Nb2AsC | 3.339 | 12.00 | 1.129 | 1.870 | 327 | 108 | 155 | 347 | 162 | 204 | 126 | 312 |
| Nb2AsN | 3.322 | 11.97 | 1.091 | 1.901 | 274 | 134 | 176 | 325 | 115 | 205 | 86 | 226 |
| Nb2CdC | 3.175 | 14.65 | 1.183 | 2.479 | 281 | 89 | 90 | 232 | 81 | 148 | 87 | 217 |
| Nb2CdN | 3.176 | 14.40 | 1.142 | 2.457 | 271 | 90 | 104 | 230 | 73 | 152 | 79 | 202 |
| Nb2InC | 3.196 | 14.47 | 1.188 | 2.430 | 291 | 76 | 108 | 267 | 102 | 159 | 99 | 247 |
| Nb2InN | 3.215 | 14.13 | 1.131 | 2.401 | 236 | 87 | 133 | 244 | 94 | 158 | 77 | 197 |
| Nb2SnC | 3.273 | 13.85 | 1.141 | 2.321 | 252 | 96 | 129 | 244 | 99 | 162 | 81 | 209 |
| Nb2SnN | 3.282 | 13.60 | 1.088 | 2.311 | 211 | 136 | 131 | 256 | 75 | 164 | 56 | 151 |
| Nb2TlC | 3.235 | 14.47 | 1.157 | 2.460 | 270 | 88 | 95 | 240 | 72 | 149 | 80 | 204 |
| Nb2TlN | 3.313 | 13.75 | 1.044 | 2.394 | 105 | 21 | 148 | 164 | 78 | 112 | 43 | 115 |
| Nb2PbC | 3.313 | 14.10 | 1.110 | 2.414 | 228 | 76 | 116 | 210 | 74 | 142 | 69 | 177 |
| Nb2PbN | 3.386 | 13.51 | 0.993 | 2.384 | 150 | 143 | 87 | 220 | 40 | 128 | 30 | 84 |
| Zr2AlC | 3.333 | 14.59 | 1.269 | 2.380 | 261 | 63 | 63 | 224 | 87 | 125 | 92 | 221 |
| Zr2AlN | 3.266 | 14.40 | 1.282 | 2.319 | 264 | 77 | 89 | 235 | 105 | 141 | 94 | 231 |
| Zr2SiC | 3.331 | 13.61 | 1.297 | 2.106 | 261 | 83 | 105 | 264 | 116 | 152 | 97 | 240 |
| Zr2SiN | 3.278 | 13.49 | 1.290 | 2.081 | 224 | 111 | 136 | 272 | 128 | 165 | 85 | 217 |
| Zr2PC | 3.467 | 12.25 | 1.282 | 1.779 | 290 | 99 | 110 | 343 | 142 | 174 | 116 | 285 |
| Zr2PN | 3.427 | 12.08 | 1.233 | 1.786 | 290 | 114 | 126 | 332 | 152 | 183 | 115 | 284 |
| Zr2SC | 3.435 | 12.25 | 1.233 | 1.830 | 288 | 94 | 104 | 312 | 135 | 165 | 113 | 275 |
| Zr2SN | 3.418 | 12.02 | 1.178 | 1.827 | 274 | 99 | 124 | 299 | 124 | 171 | 101 | 252 |
| Zr2GaC | 3.343 | 14.25 | 1.267 | 2.295 | 264 | 69 | 69 | 216 | 81 | 128 | 88 | 214 |
| Zr2GaN | 3.283 | 14.04 | 1.272 | 2.238 | 262 | 89 | 93 | 237 | 102 | 145 | 90 | 224 |
| Zr2GeC | 3.346 | 13.82 | 1.281 | 2.173 | 249 | 80 | 102 | 248 | 99 | 146 | 87 | 218 |
| Zr2GeN | 3.304 | 13.64 | 1.266 | 2.144 | 222 | 107 | 126 | 247 | 110 | 156 | 78 | 200 |
| Zr2AsC | 3.484 | 12.67 | 1.263 | 1.905 | 220 | 114 | 124 | 280 | 131 | 161 | 87 | 221 |
| Zr2AsN | 3.460 | 12.41 | 1.210 | 1.893 | 268 | 103 | 119 | 315 | 138 | 171 | 106 | 263 |
| Zr2CdC | 3.345 | 15.36 | 1.255 | 2.585 | 203 | 84 | 50 | 173 | 21 | 105 | 46 | 121 |
| Zr2CdN | 3.331 | 14.87 | 1.214 | 2.503 | 231 | 74 | 69 | 205 | 59 | 121 | 70 | 175 |
| Zr2InC | 3.376 | 15.09 | 1.241 | 2.531 | 251 | 62 | 58 | 215 | 73 | 119 | 84 | 204 |
| Zr2InN | 3.307 | 14.98 | 1.258 | 2.487 | 241 | 71 | 89 | 223 | 85 | 134 | 81 | 202 |
| Zr2SnC | 3.384 | 14.73 | 1.255 | 2.428 | 225 | 62 | 90 | 224 | 88 | 129 | 80 | 199 |
| Zr2SnN | 3.321 | 14.71 | 1.260 | 2.418 | 216 | 93 | 102 | 238 | 83 | 140 | 70 | 181 |
| Zr2TlC | 3.392 | 15.12 | 1.232 | 2.547 | 246 | 65 | 57 | 206 | 62 | 117 | 78 | 191 |
| Zr2TlN | 3.332 | 14.98 | 1.240 | 2.504 | 217 | 71 | 95 | 204 | 75 | 129 | 69 | 176 |
| Zr2PbC | 3.418 | 14.95 | 1.229 | 2.510 | 219 | 70 | 67 | 206 | 68 | 117 | 71 | 177 |
| Zr2PbN | 3.357 | 14.95 | 1.234 | 2.502 | 204 | 84 | 90 | 208 | 63 | 127 | 61 | 157 |
| Hf2AlC | 3.278 | 14.39 | 1.248 | 2.349 | 291 | 66 | 69 | 256 | 101 | 138 | 105 | 252 |
| Hf2AlN | 3.198 | 14.28 | 1.275 | 2.296 | 300 | 80 | 98 | 265 | 120 | 158 | 109 | 266 |
| Hf2SiC | 3.277 | 13.42 | 1.274 | 2.082 | 285 | 84 | 117 | 297 | 128 | 167 | 108 | 266 |
| Hf2SiN | 3.217 | 13.34 | 1.277 | 2.057 | 256 | 110 | 149 | 307 | 142 | 182 | 99 | 250 |
| Hf2PC | 3.422 | 12.04 | 1.255 | 1.755 | 317 | 95 | 126 | 368 | 158 | 188 | 129 | 315 |
| Hf2PN | 3.376 | 11.89 | 1.215 | 1.758 | 317 | 115 | 137 | 374 | 167 | 198 | 128 | 316 |
| Hf2SC | 3.383 | 12.06 | 1.205 | 1.811 | 320 | 91 | 114 | 334 | 148 | 179 | 126 | 305 |
| Hf2SN | 3.347 | 11.92 | 1.172 | 1.809 | 277 | 115 | 148 | 297 | 130 | 186 | 97 | 249 |
| Hf2GaC | 3.289 | 14.04 | 1.244 | 2.266 | 295 | 71 | 72 | 247 | 92 | 141 | 101 | 244 |
| Hf2GaN | 3.217 | 13.91 | 1.263 | 2.215 | 295 | 88 | 105 | 258 | 112 | 160 | 102 | 253 |
| Hf2GeC | 3.298 | 13.61 | 1.255 | 2.147 | 269 | 77 | 109 | 264 | 107 | 155 | 96 | 238 |
| Hf2GeN | 3.250 | 13.44 | 1.249 | 2.111 | 246 | 111 | 137 | 271 | 121 | 170 | 87 | 223 |
| Hf2AsC | 3.441 | 12.46 | 1.233 | 1.880 | 261 | 106 | 135 | 302 | 143 | 175 | 103 | 257 |
| Hf2AsN | 3.413 | 12.21 | 1.190 | 1.863 | 287 | 107 | 129 | 340 | 150 | 183 | 114 | 284 |
| Hf2CdC | 3.293 | 15.15 | 1.237 | 2.551 | 254 | 74 | 53 | 201 | 40 | 119 | 69 | 174 |
| Hf2CdN | 3.270 | 14.69 | 1.204 | 2.468 | 259 | 74 | 84 | 224 | 68 | 136 | 79 | 198 |
| Hf2InC | 3.327 | 14.87 | 1.218 | 2.499 | 281 | 66 | 61 | 242 | 82 | 131 | 95 | 230 |
| Hf2InN | 3.245 | 14.87 | 1.250 | 2.467 | 274 | 74 | 98 | 237 | 93 | 147 | 91 | 227 |
| Hf2SnC | 3.341 | 14.52 | 1.227 | 2.402 | 240 | 62 | 103 | 236 | 92 | 139 | 84 | 210 |
| Hf2SnN | 3.265 | 14.59 | 1.248 | 2.399 | 241 | 91 | 114 | 247 | 85 | 152 | 76 | 196 |
| Hf2TlC | 3.346 | 14.87 | 1.207 | 2.510 | 273 | 70 | 63 | 227 | 69 | 129 | 86 | 212 |
| Hf2TlN | 3.269 | 14.88 | 1.235 | 2.484 | 250 | 74 | 104 | 221 | 77 | 142 | 78 | 197 |
| Hf2PbC | 3.379 | 14.71 | 1.196 | 2.483 | 241 | 77 | 70 | 222 | 69 | 126 | 77 | 191 |
| Hf2PbN | 3.305 | 14.80 | 1.219 | 2.482 | 213 | 78 | 107 | 199 | 61 | 134 | 60 | 157 |
| Ta2AlC | 3.102 | 13.95 | 1.256 | 2.231 | 334 | 114 | 130 | 322 | 148 | 193 | 122 | 303 |
| Ta2AlN | 2.984 | 14.49 | 1.382 | 2.241 | 335 | 175 | 144 | 355 | 154 | 217 | 115 | 293 |
| Ta2SiC | 3.234 | 12.32 | 1.193 | 1.888 | 312 | 147 | 191 | 348 | 200 | 226 | 126 | 318 |
| Ta2SiN | 3.242 | 12.09 | 1.157 | 1.866 | 293 | 183 | 188 | 367 | 172 | 230 | 106 | 275 |
| Ta2PC | 3.304 | 11.56 | 1.150 | 1.740 | 384 | 126 | 185 | 422 | 198 | 243 | 151 | 375 |
| Ta2PN | 3.157 | 12.24 | 1.320 | 1.741 | 356 | 158 | 221 | 383 | 173 | 255 | 122 | 315 |
| Ta2SC | 3.305 | 11.67 | 1.102 | 1.815 | 314 | 110 | 172 | 319 | 104 | 206 | 95 | 247 |
| Ta2SN | 3.102 | 12.55 | 1.343 | 1.793 | 357 | 176 | 197 | 354 | 145 | 246 | 109 | 285 |
| Ta2GaC | 3.133 | 13.62 | 1.229 | 2.176 | 335 | 106 | 137 | 315 | 137 | 194 | 118 | 294 |
| Ta2GaN | 2.982 | 14.45 | 1.387 | 2.226 | 333 | 187 | 150 | 364 | 141 | 223 | 107 | 277 |
| Ta2GeC | 3.265 | 12.49 | 1.159 | 1.964 | 300 | 141 | 169 | 299 | 172 | 206 | 113 | 286 |
| Ta2GeN | 3.275 | 12.22 | 1.124 | 1.932 | 271 | 182 | 180 | 327 | 152 | 217 | 92 | 241 |
| Ta2AsC | 3.344 | 11.93 | 1.117 | 1.865 | 343 | 118 | 170 | 374 | 167 | 219 | 129 | 324 |
| Ta2AsN | 3.332 | 11.89 | 1.091 | 1.882 | 269 | 146 | 189 | 354 | 94 | 216 | 74 | 200 |
| Ta2CdC | 3.150 | 14.69 | 1.202 | 2.470 | 312 | 118 | 101 | 253 | 94 | 168 | 94 | 238 |
| Ta2CdN | 3.137 | 14.55 | 1.184 | 2.453 | 282 | 89 | 129 | 252 | 71 | 168 | 79 | 205 |
| Ta2InC | 3.176 | 14.50 | 1.201 | 2.423 | 313 | 84 | 121 | 298 | 108 | 175 | 106 | 265 |
| Ta2InN | 3.182 | 14.26 | 1.164 | 2.400 | 237 | 93 | 157 | 263 | 91 | 172 | 73 | 191 |
| Ta2SnC | 3.273 | 13.76 | 1.136 | 2.304 | 262 | 110 | 143 | 270 | 98 | 176 | 81 | 211 |
| Ta2SnN | 3.281 | 13.53 | 1.093 | 2.290 | 201 | 158 | 149 | 270 | 64 | 176 | 44 | 122 |
| Ta2TlC | 3.216 | 14.48 | 1.168 | 2.452 | 288 | 98 | 114 | 254 | 78 | 165 | 84 | 214 |
| Ta2TlN | 3.340 | 13.50 | 1.023 | 2.353 | 126 | 74 | 149 | 228 | 76 | 136 | 43 | 116 |
| Ta2PbC | 3.317 | 13.97 | 1.100 | 2.393 | 192 | 45 | 133 | 212 | 73 | 135 | 63 | 163 |
| Ta2PbN | 3.392 | 13.44 | 0.997 | 2.362 | 144 | 154 | 91 | 213 | 15 | 130 | 16 | 46 |
| W2AlC | 3.013 | 13.68 | 1.243 | 2.176 | 309 | 92 | 191 | 358 | 136 | 214 | 110 | 280 |
| W2SiC | 3.150 | 12.22 | 1.148 | 1.906 | 329 | 162 | 230 | 358 | 130 | 251 | 95 | 253 |
| W2PC | 3.272 | 11.27 | 1.059 | 1.758 | 226 | 216 | 239 | 342 | 92 | 242 | 45 | 126 |
| W2PN | 3.367 | 10.80 | 0.951 | 1.750 | 303 | 232 | 162 | 354 | 71 | 230 | 62 | 171 |
| W2GaC | 3.087 | 13.15 | 1.174 | 2.115 | 301 | 112 | 194 | 298 | 129 | 211 | 97 | 252 |
| W2GeC | 3.180 | 12.44 | 1.119 | 1.990 | 313 | 171 | 198 | 349 | 97 | 234 | 80 | 216 |
| W2AsC | 3.298 | 11.80 | 1.030 | 1.920 | 215 | 220 | 210 | 331 | 65 | 227 | 34 | 96 |
| W2AsN | 3.391 | 11.31 | 0.930 | 1.896 | 309 | 180 | 148 | 347 | 61 | 213 | 70 | 189 |
| W2CdC | 3.050 | 14.63 | 1.189 | 2.468 | 304 | 74 | 143 | 282 | 85 | 179 | 93 | 236 |
| W2CdN | 2.868 | 15.83 | 1.436 | 2.521 | 373 | 210 | 129 | 347 | 103 | 226 | 99 | 259 |
| W2InC | 3.141 | 14.02 | 1.131 | 2.375 | 278 | 120 | 145 | 304 | 76 | 187 | 76 | 201 |
| W2SnC | 3.205 | 13.54 | 1.100 | 2.284 | 266 | 165 | 154 | 322 | 6 | 200 | 38 | 107 |
| W2TlC | 3.192 | 14.01 | 1.091 | 2.412 | 235 | 124 | 143 | 253 | 61 | 171 | 57 | 153 |
| W2TlN | 3.349 | 13.18 | 0.921 | 2.375 | 237 | 149 | 76 | 232 | 51 | 145 | 56 | 149 |
| W2PbN | 3.391 | 13.07 | 0.917 | 2.351 | 211 | 120 | 61 | 217 | 28 | 125 | 47 | 124 |