

| (m <sup>3</sup> /kg) | Laurent | Cleland | Bothner | HA Mfr Method 1 | HA Mfr Method 2 |
|----------------------|---------|---------|---------|-----------------|-----------------|
| 0.1                  | 26      | 29      | 28      | 38              | 23              |
| 0.2                  | 63      | 68      | 67      | 91              | 63              |
| 0.3                  | 106     | 112     | 114     | 151             | 113             |
| 0.4                  | 154     | 159     | 164     | 217             | 172             |
| 0.5                  | 205     | 209     | 219     | 287             | 237             |
| 0.6                  | 259     | 261     | 276     | 361             | 309             |
| 0.7                  | 315     | 315     | 337     | 438             | 386             |
| 0.8                  | 374     | 372     | 400     | 519             | 468             |
| 0.9                  | 435     | 429     | 465     | 601             | 556             |
| 1.0                  | 498     | 488     | 533     | 686             | 647             |
| 1.1                  | 562     | 549     | 602     | 774             | 743             |
| 1.2                  | 629     | 611     | 673     | 863             | 843             |
| 1.3                  | 697     | 674     | 746     | 954             | 947             |
| 1.4                  | 766     | 738     | 820     | 1047            | 1054            |
| 1.5                  | 837     | 803     | 896     | 1142            | 1165            |
| 1.6                  | 909     | 869     | 974     | 1239            | 1279            |
| 1.7                  | 983     | 936     | 1053    | 1337            | 1397            |
| 1.8                  | 1058    | 1004    | 1133    | 1436            | 1517            |
| 1.9                  | 1134    | 1073    | 1214    | 1537            | 1641            |
| 2.0                  | 1211    | 1142    | 1297    | 1640            | 1768            |
| 2.1                  | 1289    | 1213    | 1381    | 1743            | 1897            |
| 2.2                  | 1368    | 1284    | 1466    | 1848            | 2029            |
| 2.3                  | 1448    | 1355    | 1552    | 1954            | 2164            |
| 2.4                  | 1529    | 1428    | 1639    | 2062            | 2302            |
| 2.5                  | 1611    | 1501    | 1727    | 2170            | 2442            |
| 2.6                  | 1695    | 1575    | 1816    | 2280            | 2585            |
| 2.7                  | 1779    | 1650    | 1906    | 2390            | 2731            |
| 2.8                  | 1863    | 1725    | 1998    | 2502            | 2878            |
| 2.9                  | 1949    | 1801    | 2090    | 2615            | 3029            |
| 3.0                  | 2036    | 1877    | 2182    | 2729            | 3181            |
| 3.1                  | 2123    | 1954    | 2276    | 2843            | 3336            |
| 3.2                  | 2211    | 2032    | 2371    | 2959            | 3493            |
| 3.3                  | 2300    | 2110    | 2467    | 3076            | 3652            |
| 3.4                  | 2390    | 2188    | 2563    | 3193            | 3814            |
| 3.5                  | 2481    | 2268    | 2660    | 3312            | 3977            |
| 3.6                  | 2572    | 2347    | 2758    | 3431            | 4143            |
| 3.7                  | 2664    | 2427    | 2857    | 3551            | 4311            |
| 3.8                  | 2757    | 2508    | 2956    | 3672            | 4481            |
| 3.9                  | 2850    | 2589    | 3056    | 3794            | 4653            |
| 4.0                  | 2944    | 2671    | 3157    | 3917            | 4827            |

kDa

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kDa

kDa

$$\text{Laurent: } MW = \left( \frac{[\eta] \times 105}{36} \right)^{\frac{1}{0.78}}$$

$$\text{Bothner: } MW = \left( \frac{[\eta] \times 105}{34.6} \right)^{\frac{1}{0.779}}$$

$$\text{Cleland: } MW = \left( \frac{[\eta] \times 105}{22.8} \right)^{\frac{1}{0.816}}$$

$$\text{HA Mfr Method1: } MW = \left( \frac{[\eta] \times 105}{97.8} \right)^{\frac{1}{0.69}}$$

$$\text{HA Mfr Method2: } MW = \left( \frac{[\eta] \times 105}{22.6} \right)^{\frac{1}{0.796}}$$