|  |  |  |
| --- | --- | --- |
| **P**ATM = | **101325** | Pa |
| ** OXIGENO =** | **1,43** | kg /m3 |
| ** AIRE =** | **1,29** | kg /m3 |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| D HE | **90,0** | cm | 0,9000 | m |
|  |  |  | 0,381704 | m3 (VOXIGENO) |
|  |  |  | 0,5458 | kg (mOXIGENO) |
|  |  |  | 5,3492 | N (wOXIGENO) |
|  |  |  | 4,825496 | N (E/OXIGENO) |
| m GLOGO | **120,0** | gr | 1,1760 | N |
|  | T = WGLOBO + WOXIGENO - E/OXIGENO | | | |
|  |  | **T** | **1,6997** | **N** |

|  |  |  |
| --- | --- | --- |
| **c** PLOMO = | **0,0310** | cal /gr-ºC |
| **L*f***PLOMO = | **6,30** | cal /gr |
| **L*V***PLOMO = | **222,00** | cal /gr |
| Punto de fusión = | **620** | ºF |
| Punto de vaporización = | **3171** | ºF |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| m | **13** | kg | 13.000,0000 | gr |
| Tf | **620** | ºF | 326,6667 | ºC |
| T1 | **320** | ºF | 160,0000 | ºC |
|  | Q = m \*(cPLOMO \*(Tf -T1) +L*f* PLOMO )/1000 | | | |
|  |  | ** Q** | **149,0667** | **kcal** |

|  |  |  |
| --- | --- | --- |
| **P**ATM = | **101325** | Pa |
| ** AIRE =** | **1,29** | kg /m3 |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Diám. | **0,05** | m | 0,0020 | m2 (A) |
| mEMB | **3,0** | kg | 29,4000 | N (WEMB) |
| mADIC | **12,0** | kg | 117,6000 | N (WADIC) |
| h1 | **0,40** | m | 0,0008 | m3 (Vol) |
| T1 | **40,0** | ºC | 313,00 | ºK |
| T2 | **5,0** | ºC | 278,0000 | ºK |
|  |  | **P1** | **176.191,4852** | **Pa** |
|  |  | **P2** | **116.298,2970** | **Pa** |
|  | h2 = h1\*P1\*T2 /(T1\*P2)\*100 | | |  |
|  |  | **h2** | **53,8235** | **cm** |

|  |  |  |
| --- | --- | --- |
| **VIDRIO** |  |  |
| **c** VIDRIO = | **0,1600** | cal /gr-ºC |
| **** VIDRIO =. | **2,6000** | gr /cm3 |
| **AGUA FRIA** |  |  |
| **c** AGUA F. = | **1,0000** | cal /gr-ºC |
| **** AGUA F = | **1,0000** | gr /cm3 |
| **AGUA C.** |  |  |
| **c** AGUA C. = | **1,0000** | cal /gr-ºC |
| **** AGUA C. = | **1,0000** | gr /cm3 |
| **P.ebullición** AGUA =. | **100,00** | ºC |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| mVIDRIO | **800,0** | gr |  |  |
| vAGUA | **1,0** | Lt | 1.000,0000 | gr |
| T1 | **21,0** | ºC |  |  |
| VolAGUA C. | **700,0** | cm3 | 700,0000 | gr |
| T2 | **95,0** | ºC |  |  |
|  |  |  |  |  |
|  |  |  |  |  |
| T3 = (T1\*(mVIDRIO \*cVIDRIO  +mAGUA F\*cAGUA F ) +mAGUA C. \*cAGUA C. \*T2)/ |  |  |  |  |
|  | (mVIDRIO \*cVIDRIO  +mAGUA F\*cAGUA F +mAGUA C. \*cAGUA C. ) | | | |
|  |  | **T3** | **49,3370** | **ºC** |