|  |  |
| --- | --- |
| |  | | --- | | Informaciones técnicas | Sistema internacional de unidades | |
| |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | | Tabla 1. Unidades de base SI   |  |  |  | | --- | --- | --- | | Magnitud de base | Unidad de base SI | | | Nombre | Símbolo | | longitud | metro | m | | masa | kilogramo | kg | | tiempo | segundo | s | | corriente eléctrica | ampere | A | | temperatura termodinámica | kelvin | K | | cantidad de materia | mol | mol | | intensidad luminosa | candela | cd |   Tabla 2. Ejemplos de unidades SI derivadas expresadas en términos de las unidades de base   |  |  |  | | --- | --- | --- | | Magnitud derivada | Unidad derivada SI | | | Nombre | Símbolo | | superficie | metro cuadrado | m2 | | volumen | metro cúbico | m3 | | velocidad | metro por segundo | m/s | | aceleración | metro por segundo cuadrado | m/s2 | | número de ondas | recíproco de metro | m-1 | | densidad | kilogramo por metro cúbico | kg/m3 | | volumen específico | metro cúbico por kilogramo | m3/kg | | densidad de corriente | ampere por metro cuadrado | A/m2 | | campo magnético | ampere por metro | A/m | | concentración (de cantidad de materia) | mol por metro cúbico | mol/m3 | | luminancia | candela por metro cuadrado | cd/m2 | | índice de refracción | (el número) uno | 1(a) | | |

Tabla 3. Prefijos SI

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Factor | Nombre | Símbolo | Factor | Nombre | Símbolo |
| 1024 | yotta | Y | 10-1 | deci | d |
| 1021 | zetta | Z | 10-2 | centi | c |
| 1018 | exa | E | 10-3 | mili | m |
| 1015 | peta | P | 10-6 | micro | μ |
| 1012 | tera | T | 10-9 | nano | n |
| 109 | giga | G | 10-12 | pico | p |
| 106 | mega | M | 10-15 | femto | f |
| 103 | kilo | k | 10-18 | atto | a |
| 102 | hecto | h | 10-21 | zepto | z |
| 101 | deca | da | 10-24 | yocto | y |