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| Informaciones técnicas | Sistema internacional de unidades  |

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| Tabla 1. Unidades de base SI

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| --- | --- |
| 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) |

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Tabla 3. Prefijos SI

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| 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 |