

Engineering Conversion Tables

This table is the a data source for many common engineering conversion values. Use the conversion factor to change from one value to another.

To Convert From	To Convert To	Multiply By
lb _f /in ² (psi)	pascal (Pa)	6894.757
pascal (Pa)	lb _f /in ² (psi)	1.4504E-4
g/cm ³	lb/ft ³	62.427974
lb/ft ³	kg/m ³	16.01846
lb/in ³	kg/m ³	27,679.90
lb/ft ³	g/cm ³	0.01601846
volts/mil	kV/mm	0.039370
mil (0.001 inch)	cm	2.54E-3
cm	mil	393.70
MPa(m ^{1/2})	psi(in ^{1/2})	910.06
J/(g-°C)	BTU/(lb-°F)	0.239006
BTU/(lb-°F)	J/(g-°C)	4.184000
joule (J)	cal (thermochemical)	0.2390057
cal (thermochemical)	joule (J)	4.184000
joule (J)	BTU	0.4245E-4

	(thermochemical)	
BTU (thermochemical)	joule	1054.350
$\mu\text{m}/(\text{m}^\circ\text{C})$	$\mu\text{in}/(\text{in}^\circ\text{F})$	0.55556
$\mu\text{in}/(\text{in}^\circ\text{F})$	$\mu\text{m}/(\text{m}^\circ\text{C})$	1.80
cm^3/Kg	in^3/lb	0.027680
in^3/lb	cm^3/kg	36.127
$\text{W}/(\text{m K})$	$\text{BTU in}/(\text{hr ft}^2 \text{ F})$	6.9334713
$\text{BTU in}/(\text{hr ft}^2 \text{ F})$	$\text{W}/(\text{m K})$	0.1441314
$(\text{J m})/(\text{min m}^2 \text{ C})$	$\text{W}/(\text{m-K})$	0.016667
$\text{W}/(\text{m-K})$	$(\text{J m})/(\text{min m}^2 \text{ C})$	60