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	9.4845E-4

	(thermochemical)	
BTU (thermochemical)	joule	1054.350
µm/(m-°C)	µin/(in-°F)	0.55556
µin/(in-°F)	µm/(m-°C)	1.80
cm^3/Kg	in^3/lb	0.027680
in^3/lb	cm^3/kg	36.127
W/(m K)	BTU in /(hr ft^2 F)	6.9334713
BTU in /(hr ft^2 F)	W/(m K)	0.1441314
(J m)/(min m^2 C)	W/(m-K)	0.016667
W/(m-K)	(J m)/(min m^2 C)	60