

BİRİMLER ARASI KOLAY ÇEVİRİM TABLOSU

BASINÇ								
	psi	inç su 60°F	inç Hg (civa) 32°F	atm	mm Hg 32°F	bar	kgf/cm ²	pascal
psi	1	27,708	2,0360	0,068046	51,715	0,068948	0,07030696	6894,8
inç su	0,036091	1	0,073483	2,4559x10 ⁻³	1,8665	2,4884x10 ⁻³	2,537x10 ⁻³	248,84
inç Hg	0,491154	13,609	1	0,33421	25,4	0,33864	0,034532	3386,4
atm	14,6960	407,19	29,921	1	760	1,01325	1,03323	101325
mm Hg	0,0193368	0,53578	0,03937	1,31579x10 ⁻³	1	1,3332x10 ⁻³	1,3595x10 ⁻³	133,32
bar	14,5038	401,86	29,53	0,98692	750,062	1	1,01972	100000
kgf/cm ²	14,223	394,1	28,959	0,96784	735,559	0,980665	1	98066,5
pascal	1,45038x10 ⁻⁴	4,0186x10 ⁻³	2,953x10 ⁻⁴	9,8692x10 ⁻⁶	7,50x10 ⁻³	10 ⁻⁵	1,01972x10 ⁻⁵	1

KÜTLE				
	lb	grain	ons	kg
lb	1	7000	16	0,45359
grain	1,4286x10 ⁻⁴	1	2,2857x10 ⁻³	6,48x10 ⁻⁵
ons	0,0625	437,5	1	0,02835
kg	2,20462	15432	35,274	1

HACİM					
	inç ³	ft ³	gallon	litre	m ³
inç ³	1	0,0005787	0,004329	0,0163871	1,63871x10 ⁻⁵
ft ³	1728	1	7,48052	28,317	0,028317
gallon	231	0,13368	1	3,7854	0,0037854
litre	61,02374	0,035315	0,264173	1	0.001
m ³	61023,74	35,315	264,173	1000	1

ENERJİ					
	Btu	ft.lb _f	kalori	joule	watt-saat
Btu	1	778,17	251,9958	1055,056	0,293071
ft.lb	1,2851x10 ⁻³	1	0,32383	1,355818	3,7666x10 ⁻⁴
kalori	3.9683x10 ⁻³	3,08803	1	4,1868	0,00163
joule	9,4782x10 ⁻⁴	0.73756	0,23885	1	2,7778x10 ⁻⁴
watt-saat	3,41214	2655,22	859,85	3600	1

YOĞUNLUK				
	lb/ft ³	lb/gal	g/cm ³	kg/m ³
lb/ft ³	1	0,133680	0,016018	16,018463
lb/gal	7,48055	1	0,119827	119,827
g/cm ³	62,428	8,34538	1	1000
kg/m ³	0,062428	0,008345	0,001	1

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ÖZGÜL HACİM				
	ft ³ /lb	gal/lb	cm ³ /g	m ³ /kg
ft ³ /lb	1	7,48055	62,428	0,062428
gal/lb	0,13368	1	8,34538	0,008345
cm ³ /g	0,016018	0,119827	1	0,001
m ³ /kg	16,018463	119,827	1000	1

ÖZGÜL ISI (yada ENTROPI)			
	Btu/(lb.ft.° F)	Cal/(g.K)	KJ/(kg.K)
Btu/(lb.ft.° F)	1	1	4,1868
Cal/(s.cm.° C)	1	1	4,1868
KJ/(kg.K)	0,23885	0,23885	1

ENTALPİ			
	Btu/lb	Cal/g	J/g
Btu/lb	1	0,55556	2,326
Cal/g	1,8	1	4,1868
J/g	0,42992	0,23885	1

İLETKENLİK			
	Btu/(h.ft.° F)	Cal/(s.cm.° C)	W/(m.K)
Btu/(h.ft.° F)	1	0,0041338	1,7307
Cal/(s.cm.° C)	241,91	1	418,68
W/(m.K)	0,5779	0,002388	1

VİSKOZİTE					
	poise	lb _f .s/ft ²	lb _f .h/ft ²	kg/m.s	lb _m /ft.s
poise	1	0,0020885	5,8014x10 ⁻⁷	0,1	0,0671955
lb _f .s/ft ²	487,8026	1	2,7778x10 ⁻⁴	47,88026	32,17405
lb _f .h/ft ²	1723689	3600	1	172369	1,72369x10 ⁻⁶
kg/m.s	10	0,020885	5,8014x10 ⁻⁶	1	0,0671955
lb _m /ft.s	14,8819	0,031081	8,6336x10 ⁻⁶	1,4882	1

ISI TRANSFER KATSAYISI				
	Btu/(h.ft ² .° F)	Cal/(s.cm ² .° C)	Kcal/(h.m ² .° C)	W/(m ² K)
Btu/(h.ft ² .° F)	1	0,00007535	2,712	3,154
Cal/(s.cm ² .° C)	13272	1	36000	41870
Kcal/(h.m ² .° C)	0,3687	0,00002778	1	0,00011163
W/(m ² K)	0,317	0,00002388	0,86	1

* Tüm birim dönüşüm tabloları hazırlanırken, ASHRAE (American Society of Heating, Refrigerating and Air-Conditioning Engineers) Fundamentals 2001 kitabındaki değerler göz önünde bulundurulmuştur.