

Copper

Time	Temperature	V	A
0	29	11.93	4.31
1	29	11.90	4.29
2	31	11.90	4.27
3	34	11.89	4.27
4	39	11.89	4.28
5	43	11.89	4.27
6	47	11.89	4.28
7	52	11.90	4.28

Brass

Temperature change- 29°C

Average v- 11.99

Average A- 3.98

$$11.99 \times 3.98 \times (60 \times 8) / 1.0017 \times 29 = 789.72$$

Real value- 375 J/Kg/°C

Copper

Temperature change- 23°C

Average V- 11.90

Average A- 4.20

$$11.90 \times 4.28 \times (60 \times 8) / 1.0017 \times 23 = 933.42$$

Real value- 383 J/Kg/°C

Aluminium- $897 / 1905 \times 100 = 47\%$

Brass- $383 / 790 \times 100 = 47\%$

Copper- $383 / 933 \times 100 = 41\%$

Ethanol- $7.19 / 29.74 \times 100 = 24\%$

Pentan-1-OL- $10.27 / 37.83 \times 100 = 27\%$

Preview from Notesale.co.uk
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