

Isobaric specific heat capacity = cmp

@wikipedia

Amount of [heat](#) required to change the temperature of one unit of [mass](#) under a constant [pressure](#) by one unit of [tempe](#)
[rature](#):

$$c_p = \left(\frac{\delta Q}{\delta m \cdot \delta T} \right)_p$$

Symbol	Dimension	SI units	Oil metric units	Oil field units
c_p	$L^2 T^{-2} \theta^{-1}$	J/(kg°K)	J/(kg°C)	BTU/(lbm°F)

It is a [material property](#) and properly tabulated for the vast majority of materials.

See also

[Physics](#) / [Thermodynamics](#) / [Thermodynamic process](#) / [Heat Transfer](#) / [Heat Capacity](#) / [Specific heat capacity](#)

[[Isochoric specific heat capacity \(c_{mV}\)](#)]

[[Basic Petroleum Rock and Fluid Properties Handbook](#)]