

Material property

[@wikipedia](#)

Synonym: [Material property](#) = [Intensive physical property](#)

A [physical property](#) of the [material](#) that does not depend on the [amount of chemical substance](#) and the way it is measured.

It is only defined by the [material](#)'s chemical structure and/or its [pressure](#) and [temperature](#) under [thermal](#) or [quasistatic](#) equilibrium.

The [material properties](#) are usually measured at laboratories and are well tabulated within the practical range of [pressure](#) and [temperature](#).

Any function of quantifiable [material property](#) is also a [material property](#).

Some [material properties](#) are just numbers (like [critical temperature](#) T_c or [critical pressure](#) p_c) and some are functions of [pressure](#) and [temperature](#) (like [density](#) $\rho(T, p)$ or [viscosity](#) $\mu(T, p)$).

See also

[Physics](#)

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

References

https://en.wikipedia.org/wiki/List_of_materials_properties