

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