

Compressible matter

The matter which density depends on pressure p or temperature T :

(1) $\rho = \rho(p, T)$

which means

non-zero compressibility	non-zero thermal expansion
(2) $c = \frac{1}{\rho} \frac{\partial \rho}{\partial p} > 0$	(3) $\alpha = \frac{1}{\rho} \frac{\partial \rho}{\partial T} > 0$

See also

[Physics](#) / [Fluid \(PVT\) Analysis](#) / [Fluid \(PVT\) modelling](#)

[[Compressibility](#)] [[Thermal expansion coefficient](#)] [[Incompressible matter](#)]