

Incompressible matter

The [matter](#) which [density](#) is not dependent on [pressure](#) p :

$$(1) \quad \rho(p, T) = \rho_0(T) = \text{const}$$

which is equivalent to zero [compressibility](#):

$$(2) \quad c(T, p) \equiv 0 \Leftrightarrow \frac{d\rho}{dp} = 0$$

where

T	Temperature
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[Incompressible matter](#) does not exist but in many practical applications the [pressure](#) variation may stay within the sufficiently narrow range where a given [matter](#) can be considered as [incompressible](#).

See also

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

[[Incompressible flow](#)] [[Incompressible fluid](#)]