

Thermal Conductivity

@wikipedia

The amount of [heat flux](#) related to the unit temperature gradient as per [Fourier's Law](#) for [Thermal conduction](#):

$$\mathbf{j}_q = \lambda \nabla T$$

Symbol	Dimension	SI units	Oil metric units	Oil field units
λ	$M^1L^1T^{-3}1$	W/(mK)	W/(mK)	BTU/(hrft°F)

See also

[Physics](#) / [Thermodynamics](#) / [Heat Transfer](#) / [Thermal conduction](#)

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

References
