

Prandtl number = Pr

@wikipedia

Dimensionless quantity calculated as the ratio of momentum diffusivity (kinematic viscosity) ν to thermal diffusivity a :

(1)
$$\text{Pr} = \frac{\nu}{a}$$

It is dynamic property of the substance at a given pressure and temperature: $\text{Pr} = \text{Pr}(p,T)$.

High values mean that heat convection dominates heat conduction.

Material	Prandtl number	Conditions
Air	0.71	STP
Oxygen	0.63	STP
Natural gas	0.70 ÷ 0.72	wide range of temperature and pressure
Water	7.56	STP
Light oil	600	STP

See also

Physics / Thermodynamics / Heat Transfer

[Dimensionless Heat Transfer Numbers]