2 The Reynolds number R is a constant used in the study of liquids flowing through pipes. R is a pure number with no unit.

$$R = \frac{\rho v D}{\mu}$$

where ρ is the density of the liquid, v is the speed of the liquid and D is the diameter of the pipe through which the liquid flows.

What are the SI base units of μ?

A $\mathrm{kg\,m\,s}$ **B** $\mathrm{kg\,m^{-1}\,s}$ **C** $\mathrm{kg\,m\,s^{-1}}$ **D** $\mathrm{kg\,m^{-1}\,s^{-1}}$