viscosity function, Φ

A coefficient connecting the intrinsic viscosity, the radius of gyration and the molar mass of a chain macromolecule, according to the equation:

$$[\eta] = \frac{\Phi\, 6^{\frac{3}{2}}\, (<s^2>)^{\frac{3}{2}}}{M}$$

where $[\eta]$ is the intrinsic viscosity, s is the radius of gyration and M is the molar mass. The viscosity function is often referred to as the Flory constant.

Source:
Purple Book, p. 64