

Schulz–Zimm distribution

In an assembly of macromolecules, a continuous distribution with the differential mass-distribution function of the form:

$$f_w(x) dx = \frac{a^b + 1}{\Gamma(b + 1)} x^b e^{-ax} dx$$

where x is a parameter characterizing the chain length, such as relative molecular mass or degree of polymerization, a and b are positive adjustable parameters, and $(\Gamma(b + 1))$ is the gamma function of $(b + 1)$.

Source:

Purple Book, p. 56