

Table 1. Experimental data for elastic properties of MTs (and other proteins) from the literature.

Young's modulus, \mathcal{Y}	$(1.2\text{--}2.7) \times 10^9 \text{ N/m}^2$	[8–11]
	$(1\text{--}5) \times 10^8 \text{ N/m}^2$	[5, 12]
Shear modulus, G	1.4 N/m^2	[13]
	10^3 N/m^2 between MTs 34 N/m^2 gel (concentr.-dependent)	[10] [1]
	$1.4 \times 10^6 \text{ N/m}^2$ at 25°C (temp.-dependent)	[5]
Flexural rigidity, κ_f	$(16\text{--}45) \times 10^{-24} \text{ N m}^2$	[14–17, 8, 18–20]
	$(2.9\text{--}5.1) \times 10^{-24} \text{ N m}^2$	[21]
Poisson's ratio, ν	0.3 for macromolecules	[22, 12]
	0.4 for MFs	[11]
Persistence length, ξ_p	$(1\text{--}6.3) \times 10^{-3} \text{ m}$	[3, 15, 16]