	Y	Break**	ρ	v_s*
	10^{10} N/m^2	10^8 N/m^2	10^3 kg/m^3	km/s
Steel	20.	5.2	8	5.0
Cu	11.0	2.4	8.96	3.5
Mg	5	?	1.74	5
Pb	1.6 soft	2.1	11.4	1.2
Al	7.0	0.78	2.70	5.1
Nylon	0.36	3.2	?	?

* the sound speed $v_s = (Y/\rho)^{0.5}$

* ultimate tensile strength