

Section 5: The Mechanical Properties of Materials

#	Section heading	Relevant in Ohring
5.1	Elastic behavior – stress and strain Hooke's Law and elastic moduli	7.1 7.2
5.2	The tensile test	7.3.1; 7.3.2 skim 7.3.3 - 7.3.5
5.3	Dislocations and plastic deformation	7.4.1, 7.4.2 omit 7.4.3
5.4	Strengthening mechanisms Cold work (recovery, recrystallization...) Solid solution strengthening Precipitation hardening	Skim 7.4.4 9.4 9.5.1 skim 9.5.2
5.5	Hardness testing	7.7.1