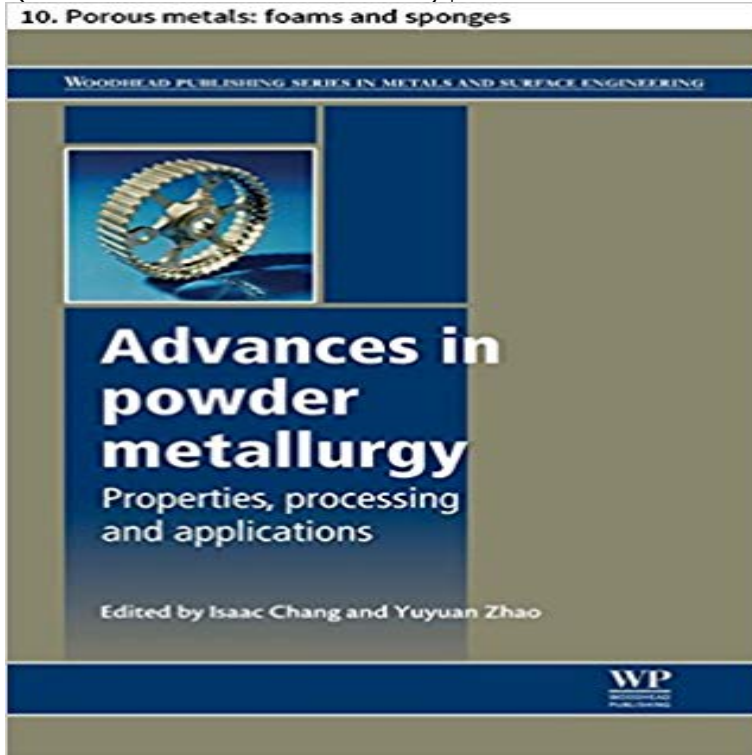


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This chapter describes the processing and properties of metals containing significant fractions of porosity, processed using powders. The basic concepts used in porous materials research are introduced and the different types of processing techniques that have been explored are surveyed. The reported property data for different foams are collated and used to illustrate the range of properties that have been achieved and methods to predict the properties of porous metals from elementary knowledge about their structure are discussed. Finally, the outlook for porous metals research and some likely future directions of fruitful enquiry are suggested.

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