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manufacturers know the value of a knowledgeable workforce the challenge today is finding skilled people to fill these

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this classic textbook is the definitive introduction to the thermodynamic behavior of materials systems written as a basic text for advanced undergraduates and first year graduate students in metallurgy metallurgical engineering ceramics or materials science it presents the underlying thermodynamic principles of materials and their plethora of applications the book is also of proven interest to working professionals in need of a reference or refresher course

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point several key characteristics of a superalloy are excellent mechanical strength resistance to thermal creep deformation good surface stability and resistance to corrosion or oxidation how you will benefit i insights and validations about the following topics chapter 1 superalloy chapter 2 oxide dispersion strengthened alloy chapter 3 titanium aluminide chapter 4 alloy chapter 5 strength of materials chapter 6 creep deformation chapter 7 corrosion chapter 8 redox ii answering the public top questions about superalloy iii real world examples for the usage of superalloy in many fields iv 17 appendices to explain briefly 266 emerging technologies in each industry to have 360 degree full understanding of superalloy technologies who this book is for professionals undergraduate and graduate students enthusiasts hobbyists and those who want to go beyond basic knowledge or information for any kind of superalloy

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