Microstructure And Properties Of High Temperature Superconductors

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Microstructure and Properties of Aluminum-Containing ...
Microstructure and Mechanical Properties of High Strength Two-Phase Titanium Alloys, Titanium Alloys - Advances in Properties Control, Jan Sieniawski and Waldemar Ziaja, IntechOpen, DOI: 10.5772/56197.

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A high-strength Cu-Ni-Si alloy was developed with the additions of Co and Zr. The aging curve for the alloy was generated using hardness. Electron

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The microstructure of a material (such as metals, polymers, ceramics or composites) can strongly influence physical properties such as strength, toughness, ductility, hardness, corrosion resistance, high/low temperature behaviour or wear resistance. These properties in turn govern the application of these materials in industrial practice.

Microstructure - Wikipedia
The microstructures of high power Nd:YAG laser welds in seven different pipeline and structural steels were investigated, and related to the resulting weld mechanical properties and defects. These microstructures and properties were then explained in terms of the compositional differences between the steels.