



## Dispersion-strengthened Aluminium Prepared by Mechanical Alloying (Paperback)

By M. Besterçi

Cambridge International Science Publishing, United Kingdom, 1998. Paperback. Condition: New. Language: English . Brand New Book. In the book, the author describes the theoretical and technological fundamentals of mechanical alloying the Al-C system. Special attention is given to material characteristics, the kinetics and mechanism of mechanical alloying, methods of mixture compaction and heat treatment of compacted parts. Models of dispersoid spatial arrangement, dispersoid evaluation and optimisation and experimental possibilities are discussed. The interpretation of the static and dynamic mechanical properties, especially strength and ductility properties at 20 C, mechanical properties at elevated temperatures are discussed, with emphasis on the effect of interface, superplasticity, creep and creep-fatigue characteristics.

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