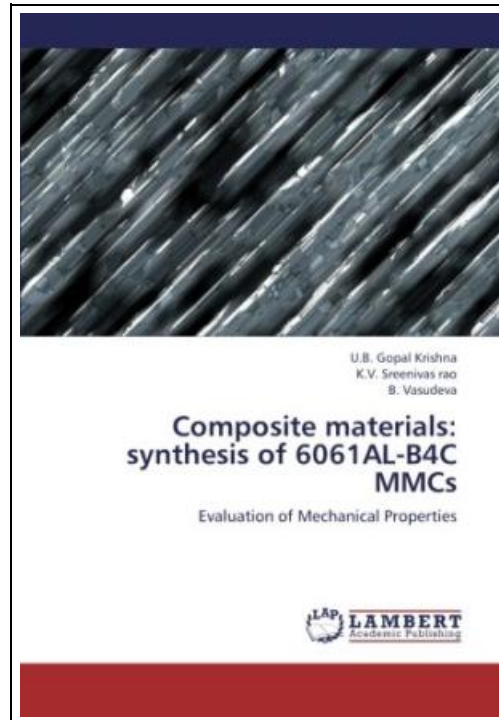


Composite materials: synthesis of 6061AL-B4C MMCs



Filesize: 9.33 MB

Reviews

This type of ebook is everything and got me to seeking in advance plus more. it was writtern really completely and helpful. You wont feel monotonny at at any moment of your respective time (that's what catalogues are for about should you request me).
(Dr. Santino Cremin)

COMPOSITE MATERIALS: SYNTHESIS OF 6061AL-B4C MMCS



Condition: New. Publisher/Verlag: LAP Lambert Academic Publishing | Evaluation of Mechanical Properties | Metal Matrix Composites (MMCs) have been developed to meet the demand for lighter materials with high specific strength, stiffness and wear resistance properties. Particulate reinforced aluminium matrix composites (AMCs) are attractive materials due to their strength, ductility and toughness. Their ability to be produced by conventional methods adds to the advantage. The aluminium matrix can be strengthened by reinforcing with hard ceramic particles like SiC, Al₂O₃ and B₄C etc. Judicious selection of the variables is important to optimize the properties of composites. In this work an effort is made to enhance the mechanical properties like tensile strength and hardness of AMCs by reinforcing 6061Al matrix with B₄C particles. By stir casting route, aluminium matrix was reinforced with boron carbide particulates of 37, 44, 63, 105, 250 μ sizes. The micro-structure and mechanical properties of the fabricated AMCs were analyzed. The optical micro-structure images reveal the homogeneous dispersion of B₄C particles in the matrix. The tensile strength and hardness were found to increase with the increase in the particle size. | Format: Paperback | Language/Sprache: english | 76 pp.



[Read Composite materials: synthesis of 6061AL-B4C MMCs Online](#)



[Download PDF Composite materials: synthesis of 6061AL-B4C MMCs](#)

Relevant Books



Summer the 25th anniversary of the equation (Keigo Higashino shocking new work! Lies and true Impenetrable(Chinese Edition)

paperback. Book Condition: New. Ship out in 2 business day, And Fast shipping, Free Tracking number will be provided after the shipment.Paperback. Pub Date: Unknown in Publisher: Modern Publishing Basic information Original Price: 28.00 yuan...

[Read Book »](#)



Studyguide for Introduction to Early Childhood Education: Preschool Through Primary Grades by Jo Ann Brewer ISBN: 9780205491452

2011. Softcover. Book Condition: New. 6th. 8.25 x 11 in. Never HIGHLIGHT a Book Again! Includes all testable terms, concepts, persons, places, and events. Cram101 Just the FACTS101 studyguides gives all of the outlines, highlights,...

[Read Book »](#)



A Smarter Way to Learn JavaScript: The New Approach That Uses Technology to Cut Your Effort in Half

Createspace, United States, 2014. Paperback. Book Condition: New. 251 x 178 mm. Language: English . Brand New Book ***** Print on Demand *****.The ultimate learn-by-doing approachWritten for beginners, useful for experienced developers who want to...

[Read Book »](#)



Children s Educational Book: Junior Leonardo Da Vinci: An Introduction to the Art, Science and Inventions of This Great Genius. Age 7 8 9 10 Year-Olds. [Us English]

Createspace, United States, 2013. Paperback. Book Condition: New. 254 x 178 mm. Language: English . Brand New Book ***** Print on Demand *****.ABOUT SMART READS for Kids . Love Art, Love Learning Welcome. Designed to...

[Read Book »](#)



101 Ways to Beat Boredom: NF Brown B/3b

Pearson Education Limited. Paperback. Book Condition: new. BRAND NEW, 101 Ways to Beat Boredom: NF Brown B/3b, Anna Claybourne, This title is part of Bug Club, the first whole-school reading programme to combine books with...

[Read Book »](#)