

# **The Deformation Characteristics And Microstructural Dynamics Of An AL- 10MG-0.1ZR Alloy By James F. Buckley II**

**By James F. Buckley II**

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Effects of prestrain and strain rate on dynamic deformation characteristics of 304L stainless steel Part2 Microstructural study W.-S. Lee and C.-F. Lin

<http://www.maneyonline.com/doi/pdfplus/10.1179/026708302225004720>

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Elevated Temperature Deformation Characteristics of This paper reviews the current understanding of the effects of microstructural characteristics on mechanical

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ability to undergo a microstructural transformation from austenite to martensite during plastic deformation. {Deformation Characteristics of Stainless

<http://citeseerx.ist.psu.edu/viewdoc/summary?doi=10.1.1.524.7118>

### **A Mechanism-based Model for Deformation Twinning -**

Home Publications A Mechanism-based Model for Deformation Twinning in Polycrystalline FCC Steel.

<http://www.emsl.pnl.gov/emslweb/publications/mechanism-based-model-deformation-twinning-polycrystalline-fcc-steel>

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<https://calhoun.nps.edu/handle/10945/25811>

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What is creep? Creep may be defined as a time-dependent deformation at elevated temperature and constant stress. It follows, then, that a failure from such a

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tem no disponible en acc s obert per pol tica Effect of V on Hot Deformation Characteristics of TWIP one of the most important microstructural features is

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and K. Ameyama MICROSTRUCTURAL DESIGN BY CONTROLLED dynamics simulations of glass TUNGSTEN HEAVY ALLOY Soon Hyung Hong and Ho Jin

[http://anu.andong.ac.kr/~ismanam/ismanam\\_program.doc](http://anu.andong.ac.kr/~ismanam/ismanam_program.doc)

### **Scientific publications 2009 -**

Proc. 21th Int. Symp. Dynamics of Vehicles on Roads and Tracks IAVSD 09, Stockholm 2009, vol.37, no.2, p.139-149. (0.324 - IF2008). ISSN 0090

<http://www.phd.sav.sk/index.php?ID=6666>

### **Effects of Microstructural Evolution on -**

Effects of Microstructural Evolution on Superplastic Deformation Characteristics of a Rapidly Solidified Al-Li Alloy YONG NAM KWON, HYANG JIN KOH, SUNGHAK LEE, NACK J

<http://link.springer.com/content/pdf/10.1007%2Fs11661-001-0143-5.pdf>

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**Microstructural characteristics in phase during -**

Microstructural characteristics of Ti 6Al 4V sheet material after tensile superplastic deformation were studied in the temperature range 875-950 C and a

<http://www.sciencedirect.com/science/article/pii/S092150939190250Q>

**Microstructural and Deformation Characteristics -**

Metastable, Mechanically Alloyed and Nanocrystalline Materials 2001: Microstructural and Deformation Characteristics of a Laminated Amorphous/Nanocrystalline Alloy

<http://www.scientific.net/MSF.386-388.547.pdf>

**Microstructural Analysis of Local Tensile -**

Microstructural Analysis of Local Tensile Deformation Characteristics in A356 Hollow Sand Cast Chassis Part - Hollow casting; Aluminum rear lower arm; Coupon tensile

[http://www.koreascience.or.kr/article/ArticleFullRecord.jsp?cn=JDCGCC\\_2010\\_v18n6\\_1](http://www.koreascience.or.kr/article/ArticleFullRecord.jsp?cn=JDCGCC_2010_v18n6_1)

**Plastic Deformation Characteristics of A356 Alloy -**

Semi-Solid Processing of Alloys and Composites: Plastic Deformation Characteristics of A356 Alloy with the Variation of Cast Microstructure

<http://www.scientific.net/SSP.116-117.197.pdf>

**Microstructural Compatibility of an -**

ADA215540. Title : Microstructural Compatibility of an Al-Li-Cu-Mg-Zr Alloy Exposed to Corrosive Environments. Descriptive Note : Final rept. 15 Nov 1986-15 May 1987,

<http://oai.dtic.mil/oai/oai?verb=getRecord&metadataPrefix=html&identifier=ADA215540>

**Deformation characteristics of -**

This study reports the deformation characteristics of submicrocrystalline Ti 6Al 4V at low temperatures (0.5T<sub>m</sub>). Microstructural observations revealed th

<http://www.sciencedirect.com/science/article/pii/S135964620800122X>

**Terence G - University of Southern California -**

Deformation Characteristics of a 3Y TZP/20% Al<sub>2</sub>O<sub>3</sub> Composite in "Microstructural Characteristics of Ultrafine-Grained Aluminum Produced Using

<http://ame-www.usc.edu/personnel/langdon/TGL-publications.doc>

**Journal of Engineering June 23, 2010 Article -**

Jun 22, 2010 Articles from Journal of Engineering June 23, 2010 on HighBeam Research

<http://www.highbeam.com/publications/journal-of-engineering-p409031/jun-23-2010>

**ASME DC | Journal of Engineering Materials and -**

Correlation of Thermal Conduction Properties With Mechanical Deformation Characteristics of a Set of SiC by microstructural feature arrangement.

<http://materialstechnology.asmedigitalcollection.asme.org/article.aspx?articleid=1428830>

**MICROSTRUCTURAL CHANGES ASSOCIATED WITH HIGH -**

MICROSTRUCTURAL CHANGES ASSOCIATED WITH HIGH TEMPERATURE DEFORMATION OF TI-3AL-4V ALLOY AT 750 C A. Salam Faculty of Engineering & Technology,

<http://www.paspk.org/proceedings/1c474d68proc47-2-4.pdf>

**Microstructural Simulations via Thermal -**

Microstructural Simulations via Thermal Processing of that describe the deformation characteristics for a study to physically simulate microstructural

<http://www.sapub.org/global/showpaperpdf.aspx?doi=10.5923/j.ijmee.20130201.02>

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Among all recognized severe plastic deformation techniques, and microstructural characteristics of the deformed The equal channel forward extrusion set

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**XPLORE Library Catalog -**

The deformation characteristics of pure aluminum processed by equal-channel 201 : Microstructural aspects of cyclic deformation and fatigue of ultrafine-grained

<http://xplore.xavier.edu/record=b1571880>

**Microstructural and crystallographic features and -**

Microstructural and crystallographic features and deformation characteristics of the halite pendency of the deformation mechanisms on the orientation of the

<http://meetings.copernicus.org/www.cosis.net/abstracts/EGU2007/08802/EGU2007-J-08802.pdf>

**Transient Microstructural Thermomechanical Fatigue -**

How to Cite. Morgenstern, R. and Kenningley, S. (2013) Transient Microstructural Thermomechanical Fatigue and Deformation Characteristics under Superimposed

<http://onlinelibrary.wiley.com/doi/10.1002/9781118663189.ch69/references>