

# Abrasion and deformed layer formation of manganese-zinc ferrite in sliding contact with lapping tapes

National Aeronautics and Space Administration, Lewis Research Center - The SHS  
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Zinc.  
Wear tests.  
Single crystals.  
Polycrystals.  
Manganese.  
Magnetic tapes.

Tags: #Wear #Mechanisms

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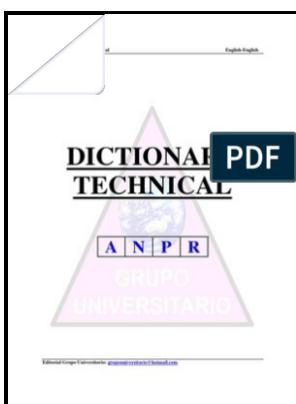
Regardless, the general characteristics associated with grit and resilience are of interest to educators and warrant further study.

## Reference Information

In principle, a fine wire is continuously drawn over the sample at a controlled force.

## Wear anisotropy of MnZn ferrite part II: Sliding sphere experiments

Results indicate that the friction force in the plowing of metal and the groove height corresponding to the wear volume of the groove decrease linearly as the shear strength of the bulk metal increases. This is not used to lubricate the cut, nor is it used to prevent heat buildup. Results indicate that increasing the initial temperature of the reactants results in dramatically increased



Ferrites.  
Crystallinity.  
Amorphous materials.  
Abrasion.  
Zinc.  
Manganese.  
Magnetic tapes.Abrasion and deformed layer formation of manganese-zinc ferrite in sliding contact with lapping tapes  
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Bd. 1  
Beiträge zur Geschichte der Stadt Duderstadt ;  
Bd. 10  
Reihe Motorik ;  
Rororo aktuell  
NASA technical memorandum -- 87249.Abrasion and deformed layer formation of manganese-zinc ferrite in sliding contact with lapping tapes  
Notes: Microfiche. [Washington, D.C. : National Aeronautics and Space Administration], 1986. 1 microfiche.  
This edition was published in 1986



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of both metals and their alloys.

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Extensometer Test The measurement of deformation during stressing in the elastic range, permitting determination of elastic properties such as properties such as proportional limit, proof stress, yield strength by the offset method and so forth. When the reinforcement volume fraction of the composites is 30 vol. Edge Strain or Edge Breaks Creases extending in from the edge of the temper rolled sheet.

#### [Asm Metals Handbook, Vol 09 Metallography And Microstruct](#)

Normalizing A heat treatment applied to steel, Involves heating above the critical range followed by cooling in still air. One simple technique for mounting wire includes coiling the specimen into a spring, which is placed longitudinally in the mold.

flame speeds for nanocomposite thermite i.

#### [The SHS Bibliography Project](#)

Etchants also vary in their ability to delineate abrasion damage. A simple method has been developed to quantify the response of metals and alloys to two-body wet abrasion. An indelible ink must be used, but identification is then permanently visible and protected with the specimen.

#### [Asm Metals Handbook, Vol 09 Metallography And Microstruct](#)

A generalized logistic function can completely determine the form of the temperature and concentration profiles within the solid, as well as the velocity of the reaction wave under a wide range of conditions. Oil-Hardening Steel Steel adaptable to hardening by heat treatment and quenching in oil. Heat treatment usually markedly affects strength, hardness, ductility, malleability, and similar properties

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