



Corrosion of High-Performance Ceramics

By Yury G. Gogotsi

Springer. Paperback. Condition: New. 181 pages. Dimensions: 9.0in. x 6.2in. x 0.5in. Corrosion of High-Performance Ceramics is a comprehensive survey of the state of the art of this new field of research. It presents the first generalized description of the corrosion of engineering ceramics and its effect on their mechanical properties (based on Si_3N_4 , SiC , AlN , B_4C , BN , Al_2O_3 , ZrO_2). Researchers, engineers and graduate students are provided with a guide to the performance of non-oxide and oxide ceramics in corrosive environments. Keywords: high-temperature oxidation; hot corrosion; corrosion in acids, alkalis and molten salts; effects of corrosion on the physico-mechanical properties of ceramics; stress corrosion; corrosion protection; development of oxidation-resistant ceramics; role of purity, donations and microstructure. This item ships from multiple locations. Your book may arrive from Roseburg, OR, La Vergne, TN. Paperback.



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