

# Download Ceramic Hardness Reprint

The hardness of ceramic materials is a property which is of high significance as it relates to the ability of the material to withstand penetration of the surface through a combination of brittle fracture and plastic flow. The sensitivity of hardness to crystallographic influences is well covered. The book covers the common test methods such as Mohs, Rockwell, Vickers, and Knoop, as well as less well known methods such as Berkovich and scratch hardness. Substantial progress has been made in recent years in utilization of microindentation methods to study fracture toughness, residual stress surface layers, and wear processes in ceramics. The hardness of Fine Ceramics is generally indicated using a Vickers hardness number. The method for measuring the hardness of Fine Ceramics is defined in JIS R 1610 (ISO 14705: 2000). Vickers hardness is a resistance value obtained by pressing a diamond indenter onto a test specimen. Buy Ceramic Hardness Softcover reprint of hardcover 1st ed. 1990 by I. J. McColm (ISBN: 9781441932136) from Amazon's Book Store. Everyday low prices and free delivery on eligible orders.