

ISO 6474-1:2010-02 (E)

Implants for surgery - Ceramic materials - Part 1: Ceramic materials based on high purity alumina

Contents		Page
Foreword		iv
Introduction		v
1	Scope	1
2	Normative references	1
3	Classification	3
3.1	Material types	3
3.2	Test categories	3
3.3	Material properties	3
4	Preparation of specimens	5
5	Test methods	5
5.1	Bulk density	5
5.2	Chemical composition	5
5.3	Microstructure	5
5.4	Determination of strength properties	6
5.5	Young's modulus	7
5.6	Fracture toughness	7
5.7	Hardness	7
5.8	Wear	7
5.9	Cyclic fatigue	8
6	Test report	8
Bibliography		9