

ISO 28704:2011-08 (E)

Fine ceramics (advanced ceramics, advanced technical ceramics) - Test method for cyclic bending fatigue of porous ceramics at room temperature

Contents		Page
Foreword		iv
1	Scope	1
2	Normative references	1
3	Terms and definitions	1
4	Testing machine and equipment	3
4.1	Testing machine	3
4.2	Loading precision	3
4.3	Test fixture	4
4.4	Micrometer callipers for measurement of external dimensions	4
4.5	Dial gauge	4
4.6	Vernier callipers	4
5	Test piece	5
5.1	Test piece size	5
5.2	Test piece preparation	5
6	Test method	5
6.1	Waveform of loading stress	5
6.2	Loading method	5
6.3	Number of cycles for interruption	6
6.4	Reuse of test piece	6
6.5	Recommended test procedure in fatigue test	6
6.6	Test environment	6
7	Treatment of test result	6
7.1	Maximum stress	6
7.2	Number of cycles to failure	7
7.3	S-N plot	7
8	Test report	7