

ISO 17161:2014-04 (E)

Fine ceramics (advanced ceramics, advanced technical ceramics) - Ceramic composites - Determination of the degree of misalignment in uniaxial mechanical tests

Contents

	Page
Foreword	iv
1 Scope	1
2 Normative references	1
3 Terms and definitions	1
3.1 General	1
3.2 Type of defects	2
4 Principle	2
5 Apparatus	3
5.1 Test machine	3
5.2 Load train	4
5.3 Strain gauges	4
5.4 Data recording system	4
5.5 Micrometers	4
6 Reference test specimens	4
7 Reference test specimen preparation	6
7.1 Adhesion of strain gauges	6
7.2 Reference test specimen validity	6
8 Test procedure	6
8.1 General	6
8.2 Correction of the torsion defect	6
8.3 Correction of the C defect	7
8.4 Correction of the S defect	8
8.5 Final verification before starting a series of measurements on CMCs	9
9 Test report	9
Bibliography	10