

DIN EN ISO 14705:2021-04 (E)

Fine ceramics (advanced ceramics, advanced technical ceramics) - Test method for hardness of monolithic ceramics at room temperature (ISO 14705:2016)

| Contents | | Page |
|--------------------------------|---|-------------|
| European foreword | | 3 |
| Foreword | | 4 |
| 1 | Scope | 5 |
| 2 | Normative references | 5 |
| 3 | Terms and definitions | 5 |
| 4 | Vickers hardness | 6 |
| 4.1 | Principle | 6 |
| 4.2 | Symbols, abbreviated terms and designations | 6 |
| 4.3 | Significance and use | 8 |
| 4.4 | Apparatus | 9 |
| 4.5 | Test pieces | 9 |
| 4.6 | Procedure | 9 |
| 4.7 | Accuracy and uncertainties | 11 |
| 4.8 | Test report | 12 |
| 5 | Knoop hardness | 15 |
| 5.1 | Principle | 15 |
| 5.2 | Symbols and designations | 15 |
| 5.3 | Significance and use | 17 |
| 5.4 | Apparatus | 18 |
| 5.5 | Test pieces | 18 |
| 5.6 | Procedure | 18 |
| 5.7 | Accuracy and uncertainty | 19 |
| 5.8 | Test report | 20 |
| Bibliography | | 24 |