

DIN ISO 48:2016-09 (E)

Rubber, vulcanized or thermoplastic - Determination of hardness (hardness between 10 IRHD and 100 IRHD) (ISO 48:2010)

| Contents | | Page |
|---|---|-------------|
| National foreword | | 3 |
| National Annex NA (informative) Bibliography | | 4 |
| Introduction | | 5 |
| 1 | Scope | 6 |
| 2 | Normative references | 7 |
| 3 | Terms and definitions | 7 |
| 4 | Principle | 8 |
| 5 | Apparatus | 8 |
| 5.1 | General | 8 |
| 5.2 | Methods N, H, L and M | 8 |
| 5.3 | Methods CN, CH, CL and CM | 10 |
| 6 | Test pieces | 10 |
| 6.1 | General | 10 |
| 6.2 | Methods N, H, L and M | 11 |
| 6.3 | Methods CN, CH, CL and CM | 12 |
| 7 | Time interval between vulcanization and testing | 12 |
| 8 | Conditioning of test pieces | 12 |
| 9 | Temperature of test | 12 |
| 10 | Procedure | 12 |
| 11 | Number of readings | 13 |
| 12 | Expression of results | 13 |
| 13 | Precision | 13 |
| 14 | Test report | 16 |
| Annex A (informative) Empirical relationship between indentation and hardness | | 17 |
| Annex B (informative) Precision results from interlaboratory test programmes | | 19 |
| Annex C (informative) Guidance for using precision results | | 27 |
| Bibliography | | 28 |