

# ISO 16012:2015-03 (E)

## Plastics - Determination of linear dimensions of test specimens

---

Contents	Page
<b>Foreword .....</b>	<b>iv</b>
<b>1 Scope .....</b>	<b>1</b>
<b>2 Normative references .....</b>	<b>1</b>
<b>3 Terms and definitions .....</b>	<b>1</b>
<b>4 Measuring equipment .....</b>	<b>2</b>
<b>4.1 General .....</b>	<b>2</b>
<b>4.2 Micrometers .....</b>	<b>2</b>
<b>4.3 Vernier callipers .....</b>	<b>2</b>
<b>4.4 Dead-weight dial gauge micrometers and electronic digital indicator gauges .....</b>	<b>2</b>
<b>4.5 Non-contact devices and other alternative devices .....</b>	<b>3</b>
<b>5 Procedure .....</b>	<b>3</b>
<b>5.1 General .....</b>	<b>3</b>
<b>5.2 Accuracy requirements .....</b>	<b>4</b>
<b>5.3 Number and location of measurement points .....</b>	<b>4</b>
<b>5.4 Calibration of equipment .....</b>	<b>4</b>
<b>5.5 Measuring with a micrometer .....</b>	<b>4</b>
<b>5.6 Measuring with vernier callipers .....</b>	<b>5</b>
<b>5.7 Measuring with a dead-weight dial gauge micrometer or electronic indicator .....</b>	<b>5</b>
<b>5.8 Measuring with non-contact devices .....</b>	<b>5</b>
<b>6 Test report .....</b>	<b>5</b>
<b>Annex A (informative) Possible types of contact face for dead-weight gauge micrometers .....</b>	<b>7</b>
<b>Annex B (informative) Measurement of injection moulded specimens .....</b>	<b>8</b>
<b>Bibliography .....</b>	<b>9</b>