

# ISO 12986-2:2014-06 (E)

## Carbonaceous materials used in the production of aluminium - Prebaked anodes and cathode blocks - Part 2: Determination of flexural strength by the four-point method

---

<b>Contents</b>		<b>Page</b>
Foreword .....		iv
<b>1</b>	<b>Scope .....</b>	<b>1</b>
<b>2</b>	<b>Normative references .....</b>	<b>1</b>
<b>3</b>	<b>Terms and definitions .....</b>	<b>1</b>
<b>4</b>	<b>Principle .....</b>	<b>2</b>
<b>5</b>	<b>Apparatus .....</b>	<b>2</b>
<b>6</b>	<b>Test specimen .....</b>	<b>3</b>
<b>6.1</b>	<b>Sampling and sample preparation .....</b>	<b>3</b>
<b>6.2</b>	<b>Size and geometry .....</b>	<b>4</b>
<b>7</b>	<b>Procedure .....</b>	<b>4</b>
<b>8</b>	<b>Calculation and expression of results .....</b>	<b>4</b>
<b>8.1</b>	<b>Bending moment, <math>M_b</math> .....</b>	<b>4</b>
<b>8.2</b>	<b>Flexural strength, <math>b</math> .....</b>	<b>5</b>
<b>9</b>	<b>Precision .....</b>	<b>6</b>
<b>10</b>	<b>Test report .....</b>	<b>6</b>
Bibliography .....		7