

# ISO 16893:2016-01 (E)

## Wood-based panels - Particleboard

---

<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, definitions and abbreviated terms .....</b>	<b>2</b>
<b>3.1</b>	<b>Terms and definitions .....</b>	<b>2</b>
<b>3.2</b>	<b>Abbreviated terms .....</b>	<b>2</b>
<b>4</b>	<b>Classifications .....</b>	<b>2</b>
<b>4.1</b>	<b>Classification matrices .....</b>	<b>2</b>
<b>4.2</b>	<b>Uses .....</b>	<b>3</b>
<b>4.3</b>	<b>Additional classifications .....</b>	<b>3</b>
<b>4.4</b>	<b>Structural grades .....</b>	<b>4</b>
<b>5</b>	<b>Tests related to each class of particleboard .....</b>	<b>4</b>
<b>5.1</b>	<b>Mandatory tests .....</b>	<b>4</b>
<b>5.2</b>	<b>Optional tests .....</b>	<b>4</b>
<b>6</b>	<b>Thickness ranges .....</b>	<b>5</b>
<b>7</b>	<b>Expression of specification limits and general requirements .....</b>	<b>5</b>
<b>7.1</b>	<b>Expression of specification limits .....</b>	<b>5</b>
<b>7.2</b>	<b>Lower specification limits .....</b>	<b>5</b>
<b>7.3</b>	<b>Upper specification limits .....</b>	<b>6</b>
<b>7.4</b>	<b>Moisture resistance requirement options .....</b>	<b>6</b>
<b>7.5</b>	<b>Density variation, dimension and moisture content requirements .....</b>	<b>6</b>
<b>7.6</b>	<b>Formaldehyde requirements .....</b>	<b>6</b>
<b>7.7</b>	<b>Load bearing particleboard .....</b>	<b>7</b>
<b>8</b>	<b>Specific property requirements .....</b>	<b>7</b>
<b>8.1</b>	<b>Requirements for general purpose particleboard for use in dry conditions (P-GP REG) .....</b>	<b>7</b>
<b>8.2</b>	<b>Requirements for furniture grade particleboard for use in dry conditions (P-FN REG) .....</b>	<b>8</b>
<b>8.3</b>	<b>Requirements for load bearing particleboard for use in dry conditions (P-LB REG) .....</b>	<b>8</b>
<b>8.4</b>	<b>Requirements for heavy-duty load bearing particleboard for use in dry conditions (P-HLB REG) .....</b>	<b>9</b>
<b>8.5</b>	<b>Requirements for general purpose particleboard for use in temperate humid conditions (P-GP MR1) .....</b>	<b>9</b>
<b>8.6</b>	<b>Requirements for furniture grade particleboard for use in temperate humid conditions (P-FN MR1) .....</b>	<b>10</b>
<b>8.7</b>	<b>Requirements for load bearing particleboard for use in temperate humid conditions (P-LB MR1) .....</b>	<b>11</b>
<b>8.8</b>	<b>Requirements for heavy-duty load bearing particleboard for use in temperate humid conditions (P-HLB MR1) .....</b>	<b>12</b>
<b>8.9</b>	<b>Requirements for general purpose particleboard for use in high tropical humid conditions (P-GP MR2) .....</b>	<b>13</b>
<b>8.10</b>	<b>Requirements for furniture grade particleboard for use in high tropical humid conditions (P-FN MR2) .....</b>	<b>14</b>
<b>8.11</b>	<b>Requirements for load bearing particleboard for use in tropical humid conditions (P-LB MR2) .....</b>	<b>15</b>

8.12	Requirements for heavy-duty load bearing particleboard for use in high tropical humid conditions (P-HLB MR2) .....	16
9	Marking .....	16
Annex A (normative)	Calculation of 5-percentile and 95-percentile values .....	17