

# DIN EN ISO 5270:2022-12 (E)

## Pulps - Laboratory sheets - Determination of physical properties (ISO 5270:2022)

<b>Contents</b>		<b>Page</b>
European foreword .....		3
Foreword.....		4
Introduction.....		5
<b>1</b>	<b>Scope</b> .....	<b>6</b>
<b>2</b>	<b>Normative references</b> .....	<b>6</b>
<b>3</b>	<b>Terms and definitions</b> .....	<b>7</b>
<b>4</b>	<b>Principle</b> .....	<b>7</b>
<b>5</b>	<b>Apparatus</b> .....	<b>7</b>
<b>6</b>	<b>Trimmed laboratory sheets</b> .....	<b>7</b>
6.1	Selection of laboratory sheets.....	7
6.2	Conditioning of laboratory sheets.....	7
6.3	Optical properties.....	8
6.4	Determination of grammage, bulking thickness and apparent bulk density.....	8
6.5	Preparation of test pieces.....	9
<b>7</b>	<b>Procedures for physical properties (low-grammage sheets)</b> .....	<b>10</b>
7.1	General.....	10
7.2	Tensile properties.....	10
7.3	Tear index.....	10
7.4	Burst index.....	11
7.5	Air permeance.....	11
7.6	Folding endurance.....	11
<b>8</b>	<b>Procedures for physical properties (high-grammage sheets)</b> .....	<b>11</b>
8.1	General.....	11
8.2	Bending resistance index.....	11
8.3	Flat crush resistance index after laboratory fluting.....	12
8.4	Ring crush resistance index.....	12
8.5	Short span compression index.....	12
8.6	Z-directional tensile strength.....	12
<b>9</b>	<b>Test report</b> .....	<b>12</b>
<b>Bibliography</b> .....		<b>14</b>