

DIN EN ISO 5270:2022-12 (E)

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

Contents	Page
European foreword	3
Foreword.....	4
Introduction.....	5
1 Scope	6
2 Normative references	6
3 Terms and definitions	7
4 Principle	7
5 Apparatus	7
6 Trimmed laboratory sheets	7
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
7 Procedures for physical properties (low-grammage sheets)	10
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
8 Procedures for physical properties (high-grammage sheets)	11
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
9 Test report	12
Bibliography	14