ISO/TS 19857:2021 (E)

Paper, board and printing inks – Printability – Laboratory test method for offset ink setting

Contents

Foreword

Introduction

1 Scope

2 Normative references

3 Terms and definitions

4 Apparatus and materials

- 4.1 Printing device
- 4.2 Inking device
- 4.3 Printing formes
- 4.4 Ink pipette
- 4.5 Packing
- 4.6 Substrate carrier
- 4.7 Analytical balance
- 4.8 Timer
- 4.9 Densitometer
- 4.10 Test paper
- 4.11 Reference counter test strips
- 4.12 Setting test ink
- 4.13 Cleaning

5 Test method

- 5.1 Principle
- 5.2 Test conditions
- 5.2.1 Climatic conditions
- 5.2.2 Settings of the printability tester
- 5.2.3 Settings for the inking unit

6 Procedure

- 6.1 Preparation
- 6.2 Preparational test for ink transfer determination
- 6.3 Test execution on different instruments
- 6.3.1 IGT-type testers
- 6.3.2 Prüfbau-type testers

7 Assessment

8 Reporting

Annex A (informative) Checking the printing device and the inking device

- A.1 General on calibration and instrument condition
- A.1.1 General
- A.1.2 Force calibration of the printing device
- A.1.3 Speed calibration of the printing device
- A.1.4 Checking the inking device

Annex B (informative) Visualization of defects of used materials

- B.1 General
- B.2 Rubber packings

B.3 Paper packings
B.4 Substrate carriers
B.5 Rubber rollers
B.6 Top rollers
B.7 Print defects

Page count: 22