

ISO/TR 19312:2026-06 (E)

Graphic technology - Analysis of a method for predicting print image quality for prints from high-speed inkjet printing system from combinations of paper properties

Contents

Page

Foreword.....	iv
Introduction	v
1 Scope	1
2 Normative references	1
3 Terms and definitions	1
4 List of paper properties for high-speed inkjet printing	3
5 Standards related to paper property measurements	3
5.1 General information useful for technical communication	3
5.2 Contact angle of water	3
5.3 Hygroexpansivity	3
5.4 Liquid penetration	3
5.5 Water absorptiveness	4
5.6 Silicon content	4
5.7 pH value	4
5.8 Surface roughness	4
6 Example calculation method using listed paper properties and measurement standards that can be used for paper selection	4
6.1 General	4
6.2 Outline	5
6.3 Typical approach	5
6.4 Example procedure for prediction of image quality	6
6.5 Caution for overfitting	9
7 Example of prediction	9
7.1 General	9
7.2 Papers	9
7.3 Paper properties tested	10
7.4 Visual assessment	10
7.5 Model used	10
7.5.1 General	10
7.5.2 Model building	11
7.6 Table of results	13
7.7 Example of calculation	14
Bibliography	15