ISO 27668-1:2017-11 (E)

Gel ink ball pens and refills - Part 1: General use

Contents

Page

Foreword iv

Introduction v

1 Scope 1

2 Normative references 1

3 Terms and definitions 1

4 Requirements 4
4.1 Tip classification 4
4.2 Shapes and dimensions of refills 4
4.3 Performance 5
4.3.1 Writing performance 5
4.3.2 Strike through 5
4.3.3 Drying time 5
4.3.4 Reproducibility 5
4.3.5 Water resistance 6
4.3.6 Light resistance 6
4.3.7 Cap-off time 6
4.3.8 Shelf life 6

5 Test equipment and accessories 6
5.1 Write test machine 6
5.2 Performance testing paper 6
5.3 Eraser 7
5.4 Reproducibility apparatus 7
5.5 Light test apparatus 7

6 Testing 7
6.1 Sampling 7
6.2 Climatic conditions for testing 7
6.3 Procedure 7
6.3.1 Writing performance test 7
6.3.2 Strike through test 8
6.3.3 Drying time test 8
6.3.4 Reproducibility test 8
6.3.5 Water resistance test 8
6.3.6 Light resistance test 8
6.3.7 Cap-off time test 8
6.3.8 Shelf life test 8

7 Designation and marking 9
7.1 Designation 9
7.2 Marking 9

8 Test report 9

Annex A (informative) Explanatory note on gel ink 10

Bibliography 11