INTERNATIONAL STANDARD

ISO 27668-1

Third edition 2017-11

Gel ink ball pens and refills —

Part 1: **General use**

Stylos à bille à encre gel et recharges — Partie 1: Utilisation générale

(https://standards.iteh.ai)

Document Preview

ISO 27668-1:2017

https://standards.iteh.ai/catalog/standards/iso/5ce31887-f52c-412e-bd8c-98d285272755/iso-27668-1-2017



iTeh Standards (https://standards.iteh.ai) Document Preview

ISO 27668-1:2017

https://standards.iteh.ai/catalog/standards/iso/5ce31887-t52c-412e-bd8c-98d285272755/iso-27668-1-2017



COPYRIGHT PROTECTED DOCUMENT

© ISO 2017, Published in Switzerland

All rights reserved. Unless otherwise specified, no part of this publication may be reproduced or utilized otherwise in any form or by any means, electronic or mechanical, including photocopying, or posting on the internet or an intranet, without prior written permission. Permission can be requested from either ISO at the address below or ISO's member body in the country of the requester.

ISO copyright office Ch. de Blandonnet 8 • CP 401 CH-1214 Vernier, Geneva, Switzerland Tel. +41 22 749 01 11 Fax +41 22 749 09 47 copyright@iso.org www.iso.org

Contents				Page
For	eword			iv
Introduction				v
1				
2	-	Normative references		
3	Terms and definitions			
4	4.1 4.2 4.3	uirements Tip classification Shapes and dimensions of refills Performance		
	1.5	4.3.1 4.3.2 4.3.3 4.3.4		5 5 5
		4.3.5 4.3.6 4.3.7 4.3.8	Water resistance Light resistance Cap-off time Shelf life	6 6
5	5.1 5.2 5.3 5.4	Performance testing paper Eraser		
6	6.1 6.2 6.3	Sample Climat Proced	ling tic conditions for testing dure	
		6.3.1 6.3.2 6.3.3 6.3.4 6.3.5 6.3.6 6.3.7 6.3.8	Writing performance test Strike through test Drying time test Reproducibility test Water resistance test Light resistance test Cap-off time test Shelf life test	8 8 8 8 8 8
7	7.1 7.2	7.2 Marking		
8		Test report		
Ann	ex A (in	formativ	re) Explanatory note on gel ink	10
Rih	liogranh	137		11

Foreword

ISO (the International Organization for Standardization) is a worldwide federation of national standards bodies (ISO member bodies). The work of preparing International Standards is normally carried out through ISO technical committees. Each member body interested in a subject for which a technical committee has been established has the right to be represented on that committee. International organizations, governmental and non-governmental, in liaison with ISO, also take part in the work. ISO collaborates closely with the International Electrotechnical Commission (IEC) on all matters of electrotechnical standardization.

The procedures used to develop this document and those intended for its further maintenance are described in the ISO/IEC Directives, Part 1. In particular the different approval criteria needed for the different types of ISO documents should be noted. This document was drafted in accordance with the editorial rules of the ISO/IEC Directives, Part 2 (see www.iso.org/directives).

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. ISO shall not be held responsible for identifying any or all such patent rights. Details of any patent rights identified during the development of the document will be in the Introduction and/or on the ISO list of patent declarations received (see www.iso.org/patents).

Any trade name used in this document is information given for the convenience of users and does not constitute an endorsement.

For an explanation on the voluntary nature of standards, the meaning of ISO specific terms and expressions related to conformity assessment, as well as information about ISO's adherence to the World Trade Organization (WTO) principles in the Technical Barriers to Trade (TBT) see the following URL: www.iso.org/iso/foreword.html.

This document was prepared by Technical Committee ISO/TC 10, *Technical product documentation*.

This third edition cancels and replaces the second edition (ISO 27668-1:2016), of which it constitutes a minor revision, with changes in <u>Clause 2</u> and <u>5.2</u>.

A list of all parts in the ISO 27668 series can be found on the ISO website.

Introduction

This document is applicable to gel ink ball pens for general use.

ISO 27668-2 is applicable to gel ink ball pens for documentary use.

For documentary use, some requirements, in addition to those for general use, are necessary

- a) to ensure the legibility of lettering, and
- b) for the handling and storage of documents over long periods of time (these requirements are often discussed with the archivist).

An example of documentary use is the preparation of documents that are required as evidence.

Furthermore, pens which meet the requirements for documentary use produce lines which are more resistant to modification (e.g. attempts to falsify a document) than those for general use.

iTeh Standards (https://standards.iteh.ai) Document Preview

ISO 27668-1:2017

https://standards.iteh.ai/catalog/standards/iso/5ce31887-f52c-412e-bd8c-98d285272755/iso-27668-1-2017

iTeh Standards (https://standards.iteh.ai) Document Preview

ISO 27668-1:2017

https://standards.iteh.ai/catalog/standards/iso/5ce31887-f52c-412e-bd8c-98d285272755/iso-27668-1-2017