

ICS 47.020.50
CCS U 27



**NATIONAL STANDARD OF THE
PEOPLE'S REPUBLIC OF CHINA**

GB/T 20898-2024

Replacing GB/T 20898.1-2007, GB/T 20898.2-2007, GB/T 20898.3-2007

**Immersion suits
(English Translation)**

Issued on: September 29, 2024

Implemented on: January 1, 2025

**Issued by: State Administration for Market Regulation, China National
Standardization Administration**

Table of Contents

Preface
1 Scope
2 Normative references
3 Terms and Definitions
4 Technical Requirements
5 Test methods
6 Inspection Rules
7 Mark
8 Information provided by the manufacturer ²⁴
Reference

Foreword

This document is in accordance with the provisions of GB/T 1.1-2020 "Guidelines for standardization work Part 1: Structure and drafting rules for standardization documents" Drafting.

This document replaces GB/T 20898.1-2007 "Immersion suits - Part 1: Safety requirements for regular wear clothing", GB/T 20898.2-2007 "Immersion suits - Part 1: Safety requirements for regular wear clothing" Immersion suits Part 2: Safety requirements for abandonment suits" and GB/T 20898.3-2007 "Immersion suits Part 3: Test methods", which is different from the previous version Compared with this edition, in addition to structural adjustments and editorial changes, the main technical changes are as follows.

- a) Added the terms "underwear" and "cold shock" (see 3.14, 3.16);
- b) Changed the requirements for partner rope, conspicuity, underwater thermal protection, etc. (see 4.4, 4.5, 4.10, 4.4, 4.5, 4.6 of GB/T 20898.1-2007) 4.11, 4.3, 4.4, 4.10 of GB/T 20898.2-2007);
- c) Two additional skin temperature measurement points (see 5.9.2.2);
- d) Deleted the average body temperature (see 3.8.2.2 of GB/T 20898.3-2007);
- e) Added inspection rules (see Chapter 6);
- f) Deleted the user information at the point of sale (see 5.3 of GB/T 20898.1-2007 and GB/T 20898.2-2007);
- g) The appendices have been deleted (see Appendix A of GB/T 20898.1-2007, Appendix A

and Appendix ZZ of GB/T 20898.2-2007).

1 Scope

This document specifies the technical requirements, test methods, inspection rules, marking and information to be provided by the manufacturer for immersion suits.

This document applies to the design, manufacture and inspection of dry and wet immersion suits.

2 Normative references

The contents of the following documents constitute essential clauses of this document through normative references in this document.

For referenced documents without a date, only the version corresponding to that date applies to this document; for referenced documents without a date, the latest version (including all amendments) applies to this document.

GB/T 3512 Hot air accelerated aging and heat resistance tests for vulcanized rubber or thermoplastic rubber GB/T 12586 Determination of the resistance of rubber or plastic coated fabrics to flexural failure GB/T 34423 Safety requirements and test methods for small boat deck safety rigging and safety ropes ISO 105-A02 Textiles-Tests for colour fastness Part A02.Grey scale for assessment of colour change ISO 105-B04 Textiles - Tests for colour fastness - Part B04.Colour fastness to simulated climate. Xenon arc decay lamp test (Tex-lamptest) ISO 105-E02 Textiles-Tests for colour fastness Part E02.Colour fastness to sea water ISO 105-X12 Textiles-Tests for colour fastness Part X12.Colour fastness to rubbing ISO 1421 Rubber-orplastics-coatedfab-ISO 2411 Rubber-orplastics-coatedfabrics-Determination of adhesion strength of coatings on rubber or plastics-coated fabrics ISO 3801:1977 Textiles-Woven fabrics-Determination of mass per unit length and mass per unit area ISO 4674-1 Rubber-or plastics-coated fabrics - Determination of tear resistance - Part 1: Constant tear rate method (Rubber-or plas-tests) ISO 13934-1 Textiles -- Tensile properties of fabrics -- Part 1: Determination of breaking force and elongation at break by the strip method