ISO 17717:2024-04 (E)

Meteorological balloons - Specification

Contents

Page

Foreword iv

1 Scope 1

2 Normative references 1

3 Terms and definitions 1

4 Requirements 2

4.1 Colour 2

4.2 Appearance 2

4.3 Size, mass and dimensions 2

4.4 Tensile Property 4

4.4.1 General 4

4.4.2 Tensile strength and elongation at break before accelerated ageing 4

4.4.3 Tensile strength and elongation at break after accelerated ageing 4

4.5 Bursting diameters 4

4.6 Ozone resistance 5

5 Sampling 5

6 Packing, marking, transport and storage 6

6.1 Packing 6

6.2 Marking 6

6.2.1 Paper box 6

6.2.2 Container 6

6.2.3 Certification of proof 6

6.3 Transport and storage 7

Annex A (normative) **Visual inspection of meteorological balloons** 8

Annex B (normative) **Inflatable inspection of meteorological balloons** 10

Annex C (normative) **Mass measurement** 13

Annex D (normative) **Dimension measurement** 14

Annex E (normative) **Burst test of meteorological balloons** 17

Annex F (normative) **Test method of ozone ageing of meteorological balloons** 19

Bibliography 21