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ISO 1401

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Rubber hoses for agricultural spraying

Tuyaux en caoutchouc pour pulvérisation agricole



ISO 1401:1999(E)

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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.

International Standards are drafted in accordance with the rules given in the ISO/IEC Directives, Part 3.

Draft International Standards adopted by the technical committees are circulated to the member bodies for voting. Publication as an International Standard requires approval by at least 75 % of the member bodies casting a vote.

International Standard ISO 1401 was prepared by Technical Committee ISO/TC 45, *Rubber and rubber products*, Subcommittee SC 1, *Hoses (rubber and plastics)*.

This third edition cancels and replaces the second edition (ISO 1401:1987), which has been technically revised.

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Inis document is a preview denetated by EUS

Rubber hoses for agricultural spraying

1 Scope

This International Standard specifies requirements for three types of flexible rubber hose for pressure spraying of agropharmaceutical and/or ferifizer products within a temperature range of -10 °C to +60 °C.

2 Normative references

The following normative documents contain provisions which, through reference in this text, constitute provisions of this International Standard. For dated references, subsequent amendments to, or revisions of, any of these publications do not apply. However, parties to agreements based on this International Standard are encouraged to investigate the possibility of applying the most recent editions of the normative documents indicated below. For undated references, the latest edition of the normative document referred to applies. Members of ISO and IEC maintain registers of currently valid International Standards.

ISO 37, Rubber, vulcanized or thermoplastic — Determination of tensile stress-strain properties.

ISO 188, Rubber, vulcanized or thermoplastic — Accelerated ageing and heat resistance tests.

ISO 471, Rubber — Temperatures, humidities and times for conditioning and testing.

ISO 1307, Rubber and plastics hoses for general-purpose industrial applications — Bore diameters and tolerances, and tolerances on length.

ISO 1402, Rubber and plastics hoses and hose assemblies — Hydrostatic testing.

ISO 1746, Rubber or plastics hoses and tubing — Bending tests.

ISO 1817, Rubber, vulcanized — Determination of the effect of liquids.

ISO 4671, Rubber and plastics hoses and hose assemblies — Methods of measurement of dimensions.

ISO 7326:1991, Rubber and plastics hoses — Assessment of ozone resistance under Static conditions.

ISO 8033, Rubber and plastics hose — Determination of adhesion between components

3 Classification

Three types of hose are specified as follows:

- type A: Maximum working pressure of 1,0 MPa (10 bar);
- type B: Maximum working pressure of 4,0 MPa (40 bar);
- type C: Maximum working pressure of 6,0 MPa (60 bar)