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

GB/T 34030-2017

**Ships and marine technology -- Standard specification for
thermosetting resin fibreglass pipe and fittings to be used for
marine applications
(English Translation)**

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References

Foreword

This standard was drafted in accordance with the rules given in GB/T 1.1-2009.

This standard uses redrafted Law Amendment to adopt ISO 15840:2004 "marine and marine technical thermoset resin glass fiber tube and Accessories technical requirements. " this standard compared with ISO 15840:2004, there are structural adjustments, Appendix E lists the standard and ISO 15840:2004 Chapter Number change control list.

This standard and ISO 15840:2004 technical differences and the reasons for appendix F.

This standard made the following editorial changes.

- a) English units are deleted, leaving only the SI system;
- b) According to 1bar = 0.1MPa conversion ratio, the value of the bar for the corresponding changes;
- c) adjust the position of Figure B.1;
- d) Replace the description of the fire-resistance requirements table in Appendix D with the form of a table.

This standard proposed by China State Shipbuilding Corporation.

This standard by the National Marine Machinery Standardization Technical Committee Annex Technical Committee (SAC/TC137/SC3) centralized.

1 Scope

This standard specifies the classification of marine thermosetting resin fiberglass tubes and accessories (hereinafter referred to as glass fiber tubes and accessories), ordering information, sex can request, other requirements, inspection and sampling, appearance and surface defect handling, marking and certification.

This standard applies to the nominal size of not more than DN1200 (NPS48) glass fiber tube and accessories.

This standard uses the International System of Units.

Dimensionless symbols DN and NPS replace traditional terms such as "nominal diameter", "size" and "nominal dimension".

2 Normative references

The following documents for the application of this document is essential. For dated references, only the dated version applies to this article Pieces. For undated references, the latest edition (including all amendments) applies to this document.

GB/T 1634.1 Plastics - Determination of load deflection temperature - Part 1. General test methods (GB/T 1634.1-2004, ISO 75-1:2003, IDT) GB/T 1634.2 Determination of plastic deformation temperature of the load Part 2. Plastic, hard rubber and long fiber-reinforced composite materials (GB/T 1634.2-2004, ISO 75-2:2003, IDT) GB/T 14520 Determination of Residual Styrene Monomer in Unsaturated Polyester Resin Reinforced Plastics by Gas Chromatography (GB/T 14520-1993, ISO 4901:1985, NEQ) GB/T 19001-2008 quality management system requirements (ISO 9001:2008, IDT) GB/T 19466.2 Plastics - Differential scanning calorimetry (DSC) Part 2. Determination of glass transition temperature (GB/T 19466.2-2004, ISO 11357-2:1999, IDT) ASME B16.1.1998 cast iron pipe flange and flange accessories (Cast iron pipe flanges and flanged fittings) ASME B16.5.1996 pipe flange and flange fittings (Pipe flanges and flanged fittings) ASTM D883 plastic term (Standard terminology relating to plastics) ASTM D1598 constant internal pressure plastic tube rupture time test method (Standard test method for time-to-failure of plastic pipe under constant internal pressure) ASTM D1599 plastic pipes, pipes and fittings short-term burst pressure test method (Standard test method for resistance to short-time hydraulic failure pressure of plastic pipe, tubing and fittings) ASTM D2310 Mechanism Glass fiber reinforced thermosetting resin tube classification method [Standard classification for machine-made fiberglass (glass-fiber-reinforced thermosetting-resin) pipe] ASTM D2583 Barcol indentation test method for hardness of hard plastic stamping (Standard test method for indentation hardness of rigid plastics by means of a Barcol impressor) ASTM D2584 curing enhanced resin burning loss test method

(Standard test method for ignition loss of cured reinforced resins ASTM D2924 enhanced
thermosetting resin glass fiber tube pressure resistance test method
[Standard test method for external pressure resistance of fibreglass
(glass-fiber-reinforced thermosetting-resin) pipe])