

The Performance Standards of Plastic Pipes used on Ships

Amended Guidance

Guidance for the Survey and Construction of Steel Ships Part D

Guidance for the Approval and Type Approval of Materials and Equipment for Marine Use

Reason for Amendment

Plastic pipes used on ships are approved in accordance with the “Guidelines for the Application of Plastic Pipes on Ships” (IMO Res. A.753(18)). With regard to this guideline, the IMO has been discussing the use of synthetic rubber as a substitute for plastic.

As a result, the use of synthetic rubber pipes was accepted at MSC 88 held in November 2010. Additionally, two performance ratings for plastic pipes were newly added and the performance ratings required depending on intended purpose were changed. These amendments of guidelines were adopted as IMO Res. MSC.313(88).

Accordingly, relevant requirements have been amended in accordance with IMO Res. MSC.313(88).

Outline of Amendment

- (1) The scope of application for plastic pipes is amended. Moreover, it has been specified that synthetic rubber and materials of similar thermo/mechanical properties are to be treated as equivalent to plastic.
- (2) L1W and L2W have been added as performance ratings for plastic pipes.
- (3) The performance ratings required for plastic pipes used for Foam Systems, Sprinkler Systems, Ballast, Cooling Water, Deck Drains (internal) and Auxiliary Low Pressure Steam have been partly amended.