

Guideline for determining content of ferritic microconstituent in seamless pipes, tubes and forgings of creep-resistant ferritic/martensitic 9-12%Cr steels by comparison method

Materials 1272 05.2013

English Translation:

This translation was presented to the VdTÜV. VdTÜV takes no responsibility for the correctness of the translation. Hints (information) for improvement should be addressed to the VdTÜV. In case of doubt or dispute, the German text only is valid (MB WERK 1272, edition 10.2011)

This Merkblatt has been drawn up by V&M Tubes in cooperation with Salzgitter Mannesmann Forschung GmbH, BGH Edelstahl Siegen GmbH and Verband der TÜV e. V. and has been approved by the VdTÜV-Arbeitskreis "Werkstofftechnische Fragen".

It contains recommendations for determining content of ferritic microconstituent of creep-resistant ferritic/martensitic 9-12%Cr steels. The Merkblatt is intended to assist in the material assessment of seamless pipes, tubes and forgings performed to verify the determination of the ferritic microconstituent content.

The Merkblatt contains recommendations for experts of a technical supervisory organisation (Technische Überwachungsorganisation, TÜO), which is a member of the VdTÜV. It has been prepared by writers to the best of their knowledge and is in line with technical progress from the perspective of the authors. The requirements contained in the Merkblatt provide solutions for usual cases which are sufficient enough in terms of safety. Liability, even for correctness of the contents in this agreement, is excluded. It is also the responsibility of the user to clarify issues relating to patent and other property rights.

This Merkblatt is continuously updated in line with technical progress. Please address any proposals for this to the publisher:

Verband der TÜV e.V. (VdTÜV) Friedrichstraße 136 10117 Berlin

Inhalt

- 1 Introduction
- 2 Scope
- 3 Manual for determination of the ferritic microconstituent content in ferritic/martensitic 9-12%Cr steels
- 4 Application remarks for determining ferritic microconstituent content by comparison method
- 5 Documentation
- 6 Bibliography

Compiled according to information of V&M Tubes, SZMF GmbH, BGH Edelstahl Siegen GmbH and the involved TÜV, which are member of VdTÜV

The VdTÜV-Merkblätter are protected by copyright. Reproduction – including copying, photomechanical reproduction, and reprinting – or distribution of any part of these documents requires publisher authorization. Also see VdTÜV-Merkblatt 001 – Allgemeines (General).