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NATIONAL STANDARD OF THE

PEOPLE'S REPUBLIC OF CHINA

GB 26255.2-2010

Mechanical fittings for polyethylene piping systems for the supply of gaseous fuels-Part 2:Metal fittings for pipes of nominal outside diameter greater than 63 mm

燃气用聚乙烯管道系统的机械管件 第2部分：公称外径大于63mm的管材用钢塑转换管件

(English Translation)

Issued by: State Administration for Market Regulation;
Standardization Administration of China

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1 Foreword

GB 26255.2-2010 is issued by State Administration for Market Regulation; Standardization Administration of China.

It is one of 2 parts of the GB 26255 series.

The GB prefix, without a suffix, marks a mandatory standard: within its scope, compliance is required.

2 Scope Preview

This part of GB 26255 specifies terms and definitions, symbols and abbreviations, materials, general requirements, performance requirements, test method, mark and labels, packaging, transportation and storage for gas polyethylene pipe systems for connecting, to polyethylene (PE) pipes, a metal pipe or fitting, conforming to GB 15558, of nominal outside diameter greater than 63 mm. It is applicable to mechanical fittings in which all load-bearing elements of the joint are metal and specifies the anti-load capability at the end. This part specifies the fittings intended for use with PE pipes, including metal straight joint, elbow, flange, tee metal converter, these fittings producing either permanent joints or joints which can be dismantled. If it is intended for assembly with a metal pipe or fitting, such connections may be flanged or welded connections. This part is applicable only to

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mechanical fittings with normal operating-temperature limits between -20? and +40?. It is the purpose of this part to provide performance requirements that will ensure full sealing and loading capacity of metal fitting and PE pipe connection joint so that the PE piping will yield rather than pull out of the mechanical joint when subjected to tensile forces or pressure. Note: This part is not intended for all the safety aspects, it is the responsibility of the users for this part of GB 26255 to establish suitable safe and health operation specifications and identify safety to apply the fittings in this part even though it is connected with the application.

GB 26255.2-2010 carries no ICS number and no Chinese Standard Classification code.

This catalogue holds 12,418 other GB standards.

Of the 4,081 GB standards that do carry an ICS number, 849 (21%) fall under ICS 13, in the field of environment and health protection, safety.

3 Normative references

GB/T 2828.1-2003 - Sampling Procedures for Inspection by Attributea - Part1: Sampling Schemes Indexed by Acceptance Quality Limit (AQL) for Lot-by-lot Inspection (ISO 780: 1997, MOD)

GB/T 6111-2003 - Thermoplastics Pipes for the Conveyance of Fluids - Resistance to Internal Pressure - Test Method (idt ISO 1167:1996)

GB/T 8163-2008 - Seamless Steel Tubes for Liquid Service (EN 10216-1: 2004, NEQ)

GB/T 9112-2000 - Types and Parameters for Steel Pipe Flanges

GB/T 9113-2000 - (all the parts) Steel Pipe Flanges

GB/T 9114-2000 - Hubbed Screwed Steel Pipe Flanges with Raised Face (neq ISO 7005-1:1992)

GB/T 9115-2000 - (all the parts) Steel Pipe Welding Neck Flanges

GB/T 9116-2000 - (all the parts) Hubbed Slip-on-welding Steel Pipe Flanges

GB/T 9117-2000 - (all the parts) Hubbed Socket Welding Steel Pipe Flanges

GB/T 9118-2000 - (all the parts) Loose Hubbed Steel Pipe Flanges with Welding Neck Collor

GB/T 9119-2000 - Slip-on-welding Plate Steel Pipe Flanges with Flat Face or Raised Face

GB 15558.1 - Buried Polyethylene (PE) Piping Systems for the Supply of Gaseous Fuels - Part 1: Pipes (ISO 4437:1997, MOD)

GB 15558.2-2005 - Buried Polyethylene (PE) Piping Systems for the Supply of Gaseous Fuels - Part 2: Fittings (ISO 8085-2:2001, MOD; ISO 8085-3:2001, MOD)

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GB/T 18252-2008 - Plastics Piping and Ducting Systems - Determination of the Long - Term Hydrostatic Strength of Thermoplastics Materials in Pipe Form by Extrapolation

GB/T 18475-2001 - Thermoplastics Materials for Pipes and Fittings for Pressure Applications - Classification and Designation - Overall Service (Design) Coefficient (eqv ISO 12162:1995)

GB/T 18684-2002 - Specifications of Zinc/Chromate Coatings

GB/T 19278-2003 - General Terms and their Definitions of Thermoplastic Pipes, Fittings and Valves

HG/T 3092-1997 - Rubber Materials for Seal Ring in Gas Supply Pipe and Accessories (idt ISO 6447:1983)

SY/T 0315-2005 - Technological Standard of FBE External Fusion Bonded Epoxy Coating for Steel Pipeline

SY/T 0413-2002 - Technical Standard of Polyethene Coating for Buried Steel Pipeline

4 About this standard

Issued by: State Administration for Market Regulation; Standardization Administration of China

English translation: about 15 pages (approximate)

5 Related standards

Other parts of this standard:

GB 26255.1-2010 - Steel-plastic-transition fittings for polyethylene(PE) piping systems for the supply of gaseous fuels

6 Classification and status

Chinese Standard Classification (CCS): G 33

Prefix GB: mandatory standard.

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