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

CJ/T 125-2014

Replacing CJ/T 125-2000; CJ/T 126-2000

**Steel framed polyethylene plastic pipes and fittings for supply
of gaseous fuels
(English Translation)**

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Foreword

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

This standard replaces CJ/T 125-2000 "gas steel frame polyethylene plastic composite pipe" and CJ/T 126-2000 "gas steel Polyethylene plastic composite pipe fittings. " this standard is CJ/T 125-2000 "gas steel skeleton polyethylene pipe" and CJ/T 126-2000 "gas steel Frame polyethylene plastic composite pipe ", the main technical changes compared with CJ/T 125-2000 and CJ/T 126-2000 are as follows.

- Increased elastic seal (see 4.4);
- Increased DN600 specifications pipe, and DN600 pipe corresponding to the various parameters (see 6.3.1.1);
- Increased resistance of fused pipe fittings and resistance measurement requirements (see 6.6,7.9);
- Increase the resistance of the fused tube when the storage test requirements (see 9.4.2);
- Increased flange adapter with O-ring specifications (see Appendix A.1);
- Modify the polyethylene material properties (see 4.1, 2000 version 4.1);
- Modify the expression of the pipe (see 5.2, 6.3.2, Appendix B, 2000 edition of Appendix

B);

--- Modify the sampling plan, using the acceptance quality limit AQL = 2.5 (see 8.3.2);

--- Remove the bending requirements (see the 2000 version of 6.5, 7.5).

This standard proposed by the Ministry of Housing and Urban Standard and Design Institute.

This standard by the Ministry of Housing and Urban Gas Standardization Technical Committee centralized.

This standard was drafted. CRE Sky Resources Development Co., Ltd., Harbin Stavi Machinery Manufacturing Co., Daqing Oilfield Kun Lun Group Co., Ltd. Pipe Branch, Anyuan Pipeline Industrial Co., Ltd.

1 Scope

This standard specifies the gas steel skeleton polyethylene plastic composite pipe (hereinafter referred to as the pipe) and steel skeleton polyethylene plastic composite pipe (to Hereinafter referred to as the tube) terms and definitions, raw materials, general requirements,, test methods, inspection rules, labeling, packaging, transportation and storage.

This standard applies to the working temperature is -20 °C ~ 40 °C, the maximum working pressure is not greater than 1.6MPa, nominal diameter 50mm ~ 600mm gas steel skeleton polyethylene pipe and pipe fittings.

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 228.1 Tensile testing of metallic materials - Part 1. Room temperature test method
GB/T 709 hot-rolled steel sheet and strip size, shape, weight and tolerances GB/T 1033.1
Determination of plastic non-foam density - Part 1. Immersion, liquid pycnometer and
titration GB/T 2828.1 Sampling procedures for inspection - Part 1. Batch inspection
sampling plan by acceptance quality limit (AQL) GB/T 2918 plastic sample conditioning and
testing of the standard environment GB/T 3681 plastic natural daylight weathering, solar
weathering after glass filtration and Fresnel lens to accelerate solar weathering Exposure
test method GB/T 3682 Thermoplastics melt mass flow rate and melt volume flow rate
determination Thermoplastics pipes for the conveyance of fluids - Pressure resistance test
methods Thermoplastics pipes - Determination of longitudinal shrinkage Plastics piping
systems - Determination of dimensions of plastic parts GB/T 13021 Polyethylene pipe and
fittings carbon black content (thermal weight loss method) Buried polyethylene (PE) piping

systems for gas - Part 1. Pipes GB/T 18251 Polyolefin pipes, fittings and mixed materials
Determination of pigment and carbon black dispersion GB/T 18475 thermoplastic pressure
pipe and fittings material classification and nomenclature overall use (design) coefficient
GB/T 18476 Determination of resistance to crack propagation in polyolefin pipes for fluid
transport - Test method for slow crack growth in notched pipe (Incision test) GB/T 19466.6
Plastics - Differential Scanning Calorimetry (DSC) Part 6. Oxidation induction time
(isothermal OIT) and oxidation induction Determination of temperature (dynamic OIT) HG/T
3092 gas pipes and fittings rubber ring compound YB/T 5294 general purpose low carbon
steel wire

3 Terms and definitions

The following terms and definitions apply to this document.

Nominal pressure Pipe and fittings at 20 °C under the conditions of natural gas allowable
maximum working pressure, expressed in PN.