

# JIS

JAPANESE  
INDUSTRIAL  
STANDARD

Translated and Published by  
Japanese Standards Association

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JIS G 3477-2 : 2022

(JISF)

**Polyethylene coated steel pipes — Part 2:  
External extruded polyethylene coated  
steel pipes**

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ICS 77.140.10 ; 77.140.75

Reference number : JIS G 3477-2 : 2022 (E)

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G 3477-2 : 2022

Date of Establishment: 2012-11-20

Date of Revision: 2022-12-20

Date of Public Notice in Official Gazette: 2022-12-20

Developed by: The Japan Iron and Steel Federation

Investigated by: The Japan Iron and Steel Federation, Standardization  
Center

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JIS G 3477-2 : 2022, First English edition published in 2023-07

Translated and published by: Japanese Standards Association  
Mita MT Building, 3-13-12, Mita, Minato-ku, Tokyo, 108-0073 JAPAN

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Printed in Japan

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## Foreword

This Japanese Industrial Standard has been revised by the Minister of Economy, Trade and Industry based on the provision of Article 14, paragraph (1) of the Industrial Standardization Act applied mutatis mutandis pursuant to the provision of Article 16 of the said Act in response to a proposal for revision of Japanese Industrial Standard with a draft being attached, submitted by The Japan Iron and Steel Federation (JISF), an accredited standards development organization. This edition replaces the previous edition (**JIS G 3477-2** : 2018), which has been technically revised.

However, **JIS G 3477-2** : 2018 may be applied in the **JIS** mark certification based on the relevant provisions of Article 30, paragraph (1), etc. of the Industrial Standardization Act until 19 December 2023.

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**JIS G 3477** series consists of the following 3 parts under the general title *Polyethylene coated steel pipes* :

*Part 1 : External 3 layer extruded polyethylene coated steel pipes*

*Part 2 : External extruded polyethylene coated steel pipes*

*Part 3 : External polyethylene powder coated steel pipes*

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# Polyethylene coated steel pipes — Part 2 : External extruded polyethylene coated steel pipes

## 1 Scope

This Japanese Industrial Standard specifies requirements for the external extruded polyethylene coated steel pipes (hereafter referred to as coated steel pipes) mainly used for underground services (including the bottom of river, the bottom of sea and common ditch) of transporting gas, oil, water, etc. and protecting cables.

NOTE 1 This Standard is applicable to pipes of outside diameter 21.7 mm (nominal diameter 15A or  $\frac{1}{2}$ B) to 812.8 mm (nominal diameter 800A or 32B) (see Table 2).

NOTE 2 The coated steel pipes are usually used at temperatures in the range of  $-20\text{ }^{\circ}\text{C}$  to  $+40\text{ }^{\circ}\text{C}$ .

## 2 Normative references

Part or all of the provisions of the following standards, through reference in this text, constitute provisions of this Standard. The most recent editions of the standards (including amendments) indicated below shall be applied.

- JIS G 0202 *Glossary of terms used in iron and steel (Testing)*
- JIS G 0203 *Glossary of terms used in iron and steel (Products and quality)*
- JIS G 0404 *Steel and steel products — General technical delivery requirements*
- JIS G 0415 *Steel and steel products — Inspection documents*
- JIS G 3444 *Carbon steel tubes for general structure*
- JIS G 3445 *Carbon steel tubes for machine structure*
- JIS G 3452 *Carbon steel pipes for ordinary piping*
- JIS G 3454 *Carbon steel pipes for pressure service*
- JIS G 3455 *Carbon steel pipes for high pressure service*
- JIS G 3457 *Arc welded carbon steel pipes*
- JIS G 3460 *Steel pipes for low temperature service*
- JIS K 2207 *Petroleum asphalts*
- JIS K 2235 *Petroleum waxes*
- JIS K 5500 *Glossary of terms for coating materials*
- JIS K 6900 *Plastics — Vocabulary*
- JIS K 6922-2 *Plastics — Polyethylene (PE) moulding and extrusion materials —*