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## NZS 7646:1978 Specification for polyethylene pipes and fittings for gas reticulation

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Abbreviation

NZS 7646:1978

Valid from

30/06/1978

Information provider

Standards New Zealand

Author

Standards New Zealand

Information type

New Zealand Standard

**Format** 

**PDF** 

Cited By

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#### Description

This Standard specifies the material, dimensions, properties, tests, colour and marking requirements for polyethylene pipes and fusion fittings for use in gas mains and services. Provides for 5 classes of pipe having standard dimension ratios of 11, 17, 21, 26 and 32 suitable for maximum pressures of

100 to 420 kPa.

#### Scope

Part 1 of this Standard applies to polyethylene pipe for use in gas mains and services for direct burial and reliner applications. Such pipe is intended for use in the distribution of natural gas at pressures up to 4.2 bar (420 kPa).

It also applies to pipe for use with gas produced from liquefied petroleum gas (LPG) and mixtures of LPG and air where the partial pressure of the LPG component does not exceed 2 bar (200 kPa).

The pipe shall be formed from compound complying with AS 1685 which provides only for a high density polyethylene, coloured yellow.

This Standard does not apply to pipe for use with petroleum liquids, including liquid LPG and liquid pentane, or with manufactured or mixed gas distribution systems or systems which may contain more than 1 percent aromatics.

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• G10/AS1 (First Edition, Amendment 8)

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G10/AS1 (First Edition, Amendment 5)

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G10/AS1 (First Edition, Amendment 7)

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This document CITES:

**New Zealand Standards** 

NZS 1021:1965

NZS 7646:1978 cites NZS 1021:1965 Methods for the load verification of testing machines

NZS 7647:1979

NZS 7646:1978 cites NZS 7647:1979 Code of practice for the installation of polyethylene gas pipes

**Australian Standards** 

### • AS 1685:1974

NZS 7646:1978 cites AS 1685:1984 Plastics pipes and fittings for gas reticulation - Polyethylene compound for manufacturing (Supersedes AS 1685:1974)

Other

ASTM D2290-00

NZS 7646:1978 cites ASTM D2290-00 Standard Test Method for Apparent Hoop Tensile Strength of Plastic or Reinforced Plastic Pipe by Split Disk Method

• BS 1780-2:1971

NZS 7646:1978 cites BS 1780-2:1971 Bourdon Tube Pressure And Vacuum Gauges



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