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AS/NZS 4130:1997 Polyethylene (PE) pipes for pressure applications

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Abbreviation

AS/NZS 4130:1997

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Author

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Cited By

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Description

This Standard specifies requirements for polyethylene pipes for the conveyance of fluids under pressure. Such fluids include, but are not restricted to, water, slurries compressed air and fuel gas. Fuel gas includes natural gas, liquefied petroleum gas (LPG) in the vapour phase and LPG/air mixtures. The partial pressure of the LPG is not to exceed 300 kPa absolute.

Scope

Pipes intended for the transmission of fuel gas are hereinafter referred to as gas pipes and are not to be operated at pressures above 1050 kPa gauge.

This Standard does not apply to gas pipes for use with petroleum liquids, including liquid LPG and liquid pentane, or with manufactured or mixed gas distribution systems which may contain more than 1% aromatics by volume, unless resistance to aromatic constituents has been demonstrated as required in Clause 1 of AS/NZS 4131.

Pipes which do not contain carbon black in compliance with this Standard are not intended for extended exposure in direct sunlight and gas pipes are not intended for service temperatures outside of the range -20C to +35C.

The test requirements specified in this Standard may be achieved by alternative test methods if such methods can be shown to provide equal or greater accuracy than those specified herein. In all cases of dispute, the methods specified in this Standard shall be considered the reference test methods.

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- [AS/NZS 1547:2000](#)

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