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AS/NZS 4129:2008 Fittings for polyethylene (PE) pipes for pressure applications

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Abbreviation

Citations

AS/NZS 4129:2008

Amendment

A1 - incorporated. Published 04/12/2013.

Valid from

29/06/2008

Replaces

AS/NZS 4129:2000

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Standards New Zealand

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Cited By

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Description

This Standard specifies requirements for fittings to be used with polyethylene pipe manufactured in accordance with AS/NZS 4130 or AS 2698.2 or POP-009.

Scope

This Standard is applicable to fittings manufactured for the conveyance of water, fuel gas, and other fluids including compressed air. The requirements of Section 1 apply to fittings manufactured to comply with all Sections of the Standard except where subsequent sections detail or exempt specific requirements.

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• G14/VM1 (Second Edition, Amendment 6)

AS/NZS 4129:2008 is cited by Verification Method G14/VM1: Industrial Liquid Waste from 10/10/2011

AS/NZS 2033:2008

AS/NZS 4129:2008 is cited by AS/NZS 2033:2008 Installation of polyethylene pipe systems

• AS/NZS 2845.1:2010

AS/NZS 4129:2008 is cited by AS/NZS 2845.1:2010 Water supply - Backflow prevention devices - Part 1: Materials, design and performance requirements

• AS/NZS 3500.1:2015

AS/NZS 4129:2008 is cited by AS/NZS 3500.1:2015 Plumbing and drainage - Part 1: Water services

AS/NZS 3500.1:2018

AS/NZS 4129:2008 is cited by AS/NZS 3500.1:2018 Plumbing and drainage Part 1: Water services

AS/NZS 3500.2:2018

AS/NZS 4129:2008 is cited by AS/NZS 3500.2:2018 Plumbing and drainage Part 2: Sanitary plumbing and drainage

• AS/NZS 3500.4:2015

AS/NZS 4129:2008 is cited by AS/NZS 3500.4:2015 Plumbing and drainage - Heated water services

• AS/NZS 3500.4:2018

AS/NZS 4129:2008 is cited by AS/NZS 3500.4:2018 Plumbing and drainage Part 4: Heated water services

AS/NZS 5601.1:2010

AS/NZS 4129:2008 is cited by AS/NZS 5601.1:2010 Gas installations - Part 1: General installations

• AS/NZS 5601.1:2013

AS/NZS 4129:2008 is cited by AS/NZS 5601.1:2013 Gas installations - General installations

NZS 4515:2009

AS/NZS 4129:2008 is cited by NZS 4515:2009 Fire sprinkler systems for life safety in sleeping occupancies (up to 2000 square metres)

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New Zealand Standards

AS/NZS 3500.0:2003

AS/NZS 4129:2008 cites AS/NZS 3500.0:2003 Plumbing and drainage - Glossary of terms

AS/NZS 4020:2005

AS/NZS 4129:2008 cites AS/NZS 4020:2005 Testing of products for use in contact with drinking water

• AS/NZS 4087:2011

AS/NZS 4129:2008 cites AS/NZS 4087:2011 Metallic flanges for waterworks purposes

• AS/NZS 4130:2003

AS/NZS 4129:2008 cites AS/NZS 4130:2003 Polyethylene (PE) pipes for pressure applications

• AS/NZS 4131:2003

AS/NZS 4129:2008 cites AS/NZS 4131:2003 Polyethylene (PE) compounds for pressure pipes and fittings

• AS/NZS 4158:2003

AS/NZS 4129:2008 cites AS/NZS 4158:2003 Thermal-bonded polymeric coatings on valves and fittings for water industry purposes

• AS/NZS 4331.1:1995

AS/NZS 4129:2008 cites AS/NZS 4331.1:1995 (R2016) Metallic flanges - Steel flanges

• AS/NZS 4331.2:1995

AS/NZS 4129:2008 cites AS/NZS 4331.2:1995 (R2016) Metallic flanges - Cast iron flanges

AS/NZS 4331.3:1995

AS/NZS 4129:2008 cites AS/NZS 4331.3:1995 (R2016) Metallic flanges - Copper alloy and composite flanges

Australian Standards

AS 1049-2003

AS/NZS 4129:2008 cites AS 1049-2003 Telecommunication cables - Insulation sheath and jacket

• AS 1145.2-2001

AS/NZS 4129:2008 cites AS 1145.2-2001 Determination of tensile properties of plastics materials - Part 2: Test conditions for moulding and extrusion plastics

• AS 1722.2-1992

AS/NZS 4129:2008 cites AS 1722.2-1992 (R2017) Pipe threads of Whitworth form - Part 2: Fastening pipe threads

AS 2129-2000

AS/NZS 4129:2008 cites AS 2129-2000 (R2016) Flanges for pipes valves and fittings

AS 2193-2005

AS/NZS 4129:2008 cites AS 2193-2005 (R2017) Calibration and classification of force-measuring systems

• AS 2345-2006 (R2016)

AS/NZS 4129:2008 cites AS 2345-2006 (R2016) Dezincification resistance of copper alloys

• AS 2698.2-2000

AS/NZS 4129:2008 cites AS 2698.2-2000 (R2017) Plastics pipes and fittings for irrigation and rural applications - Polyethylene rural pipe

• AS 3688-2005

AS/NZS 4129:2008 cites AS 3688-2005 Water supply - Metallic fittings and end connectors

• AS ISO 7.1-2008

AS/NZS 4129:2008 cites AS ISO 7.1-2008 (R2017) Pipe threads where pressure-tight joints are made on the threads - Dimensions, tolerances and designation

AS ISO 9624-2008

AS/NZS 4129:2008 cites AS ISO 9624-2008 Polyethylene (PE) pipes for fluids under pressure - Mating dimensions of flange adaptors and loose backing flang

Other

• ASTM A276 - 08a

AS/NZS 4129:2008 cites ASTM A276 - 08a Standard Specification for Stainless Steel Bars and Shapes

ASTM D1600 - 08

AS/NZS 4129:2008 cites ASTM D1600 - 08 Standard Terminology for Abbreviated Terms Relating to Plastics

• BS EN 12117:1998, BS 2782 -11:Method 1121G:1998

AS/NZS 4129:2008 cites BS EN 12117:1998, BS 2782 -11:Method 1121G:1998 Plastics piping systems. Fittings, valves and ancillaries. Determination of gaseous flow rate/pressure drop relationships

BS EN ISO 1167-1:2006

AS/NZS 4129:2008 cites BS EN ISO 1167-1:2006 Thermoplastics pipes, fittings and assemblies for the conveyance of fluids - Determination of the resistance to internal pressure - Part 1: General method

BS EN ISO 1167-2:2006

AS/NZS 4129:2008 cites BS EN ISO 1167-2:2006 Thermoplastics pipes, fittings and assemblies for the conveyance of fluids - Determination of the resistance to internal pressure - Part 2: Preparation of pipe test pieces

• HB 18.28-2005

AS/NZS 4129:2008 cites HB 18.28-2005 Conformity assessment - Guidance on a third-party certification system for products

• IEC 60529:1989

AS/NZS 4129:2008 cites IEC 60529:1989 Degrees of protection provided by enclosures (IP Code)

• ISO 1043-1:2001

AS/NZS 4129:2008 cites ISO 1043-1:2001 Plastics - Symbols and abbreviated terms - Part 1: Basic polymers and their special characteristics

• ISO 1133:2005

AS/NZS 4129:2008 cites ISO 1133:2005 Plastics - Determination of the melt mass-flow rate (MFR) and the melt volume-flow rate (MVR) of thermoplastics

• ISO 11413:2008

AS/NZS 4129:2008 cites ISO 11413:2008 Plastics pipes and fittings - Preparation of test piece assemblies between a polyethylene (PE) pipe and an electrofusion fitting

• ISO 11414:1996

AS/NZS 4129:2008 cites ISO 11414:1996 Plastics pipes and fittings - Preparation of polyethylene (PE) pipe/pipe or pipe/fitting test piece assemblies by butt fusion

• ISO 12176-1:2006

AS/NZS 4129:2008 cites ISO 12176-1:2006 Plastics pipes and fittings - Equipment for fusion jointing polyethylene systems - Part 1: Butt fusion

• ISO 12176-2:2008

AS/NZS 4129:2008 cites ISO 12176-2:2008 Preview Plastics pipes and fittings -- Equipment for fusion jointing polyethylene systems -- Part 2: Electrofusion

• ISO 13951:2001

AS/NZS 4129:2008 cites ISO 13951:2001 Plastics piping systems - Test method for the resistance of polyolefin pipe/pipe or pipe/fitting assemblies to tensile loading

• ISO 13953:2001

AS/NZS 4129:2008 cites ISO 13953:2001 Polyethylene (PE) pipes and fittings - Determination of the tensile strength and failure mode of test pieces from a butt-fused joint

ISO 13954:1997

AS/NZS 4129:2008 cites ISO 13954:1997 Plastics pipes and fittings - Peel decohesion test for polyethylene (PE) electrofusion assemblies of nominal outside diameter greater than or equal to 90 mm

• ISO 13955:1997

AS/NZS 4129:2008 cites ISO 13955:1997 Plastics pipes and fittings - Crushing decohesion test for polyethylene (PE) electrofusion assemblies

• ISO 13957:1997

AS/NZS 4129:2008 cites ISO 13957:1997 Plastics pipes and fittings - Polyethylene tapping tees - Test methods for impact resistance

• ISO 161-1:1996

AS/NZS 4129:2008 cites ISO 161-1:1996 Thermoplastics pipes for the conveyance of fluids - Nominal outside diameters and nominal pressures - Part 1: Metric series

• ISO 3126:2005

AS/NZS 4129:2008 cites ISO 3126:2005 Plastics piping systems - Plastics components - Determination of dimensions

• ISO 3459:1976

AS/NZS 4129:2008 cites ISO 3459:1976 Polyethylene (PE) pressure pipes - Joints assembled with mechanical fittings - Internal under-pressure test method and requirement

• ISO 3501:1976

AS/NZS 4129:2008 cites ISO 3501:1976 Assembled joints between fittings and polyethylene (PE) pressure pipes - Test of resistance to pull out

• ISO 3503:1976

AS/NZS 4129:2008 cites ISO 3503:1976 Assembled joints between fittings and polyethylene (PE) pressure pipes - Test of leakproofness under internal pressure when subjected to bending

ISO 4065:1996

AS/NZS 4129:2008 cites ISO 4065:1996 Thermoplastic pipes - Universal wall thickness table

• ISO 7686:2005

AS/NZS 4129:2008 cites ISO 7686:2005 Plastics pipes and fittings - Determination of opacity

• ISO 9080:2003

AS/NZS 4129:2008 cites ISO 9080:2003 Plastics piping and ducting systems - Determination of the long-term hydrostatic strength of thermoplastics materials in pipe form by extrapolation

• ISO/TR 10837:1991

AS/NZS 4129:2008 cites ISO/TR 10837:1991 Determination of the thermal stability of polyethylene (PE) for use in gas pipes and fittings

• POP009

AS/NZS 4129:2008 cites POP009 - Polyethylene Rural And Flood Pipe



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