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AS/NZS 2642.1:2007 Polybutylene pipe systems - Polybutylene (PB) pipe extrusion compounds

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Abbreviation

AS/NZS 2642.1:2007

Amendment

A1 - incorporated

Valid from

17/04/2007

Information provider

Standards New Zealand

Author

Standards New Zealand, Standards Australia

Information type

New Zealand Standard

Format

PDF

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Description

This Standard specifies requirements for polybutylene extrusion compounds suitable for making polybutylene pipe for hot and cold water applications.

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- [G12/AS1 \(Third Edition, Amendment 10\)](#)

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- [G12/AS1 \(Third Edition, Amendment 9\)](#)

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- [AS/NZS 2642.2:2008](#)

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- [AS/NZS 2642.3:2008](#)

AS/NZS 2642.1:2007 is cited by AS/NZS 2642.3:2008 Polybutylene pipe systems - Mechanical jointing fittings for use with polybutylene (PB) pipes for hot and cold water applications

- [NZS 4541:2007](#)

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New Zealand Standards

- [AS/NZS 1462.14:1996](#)

AS/NZS 2642.1:2007 cites AS/NZS 1462.14:1996 (R2017) Methods of test for plastics pipes and fittings - Method 14: Method for determination of the light transmission of pipe

- [AS/NZS 1462.27:2003](#)

AS/NZS 2642.1:2007 cites AS/NZS 1462.27:2003 (R2017) Methods of test for plastics pipes and fittings - Method 27: Determination of toluene extract of carbon black

- [AS/NZS 1462.6:1998](#)

AS/NZS 2642.1:2007 cites AS/NZS 1462.6:1998 Methods of test for plastics pipes and fittings - Method 6: Method for hydrostatic pressure testing of pipes

- [AS/NZS 3500.0:2003](#)

AS/NZS 2642.1:2007 cites AS/NZS 3500.0:2003 Plumbing and drainage - Glossary of terms

- [AS/NZS 4020:2005](#)

AS/NZS 2642.1:2007 cites AS/NZS 4020:2005 Testing of products for use in contact with drinking water

- [AS/NZS 4131:2003](#)

AS/NZS 2642.1:2007 cites AS/NZS 4131:2003 Polyethylene (PE) compounds for pressure pipes and fittings

- [SANZ/SAA HB 18.28:1991](#)

AS/NZS 2642.1:2007 cites SANZ/SAA HB 18.28:1991 Guidelines for third-party certification and accreditation - Guide 28 - General rules for a model third-party certification system for products

Australian Standards

- [AS 1199.1-2003 \(R2016\)](#)

AS/NZS 2642.1:2007 cites AS 1199.1-2003 (R2016) Sampling procedures for inspection by attributes - Part 1: Sampling schemes indexed by acceptance quality limit (AQL) for lot-by-lot inspection

Other

- [ASTM D3849 - 04](#)

AS/NZS 2642.1:2007 cites ASTM D3849-04 Standard test method for carbon black - Morphological characterization of carbon black using electron microscopy

- [ISO 1133:2005](#)

AS/NZS 2642.1:2007 cites ISO 1133:2005 Plastics - Determination of the melt mass-flow rate (MFR) and the melt volume-flow rate (MVR) of thermoplastics

- [ISO 11420:1996](#)

AS/NZS 2642.1:2007 cites ISO 11420:1996 Method for the assessment of the degree of carbon black dispersion in polyolefin pipes fittings and compounds

- [ISO 1183-1:2004](#)

AS/NZS 2642.1:2007 cites ISO 1183-1:2004 Immersion method, liquid pycnometer method and titration method

- [ISO 1183-2:2004](#)

AS/NZS 2642.1:2007 cites ISO 1183-2:2004 Plastics. Methods for determining the density of non-cellular plastics. Density gradient column method

- [ISO 1183-3:1999](#)

AS/NZS 2642.1:2007 cites ISO 1183-3:1999 Plastics. Methods for determining the density of non-cellular plastics. Gas pycnometer method

- [ISO 6964:1986](#)

AS/NZS 2642.1:2007 cites ISO 6964:1986 Polyolefin pipes and fittings - Determination of carbon black content by calcination and pyrolysis - Test method and basic specification

- [ISO 9080:2003](#)

AS/NZS 2642.1:2007 cites ISO 9080:2003 Plastics piping and ducting systems - Determination of the long-term hydrostatic strength of thermoplastics materials in pipe form by extrapolation

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