

STANDARDS AUSTRALIA/STANDARDS NEW ZEALAND

Amendment No. 1
to
AS/NZS 5065:2005
Polyethylene and polypropylene pipes and fittings for drainage and sewerage applications

REVISED TEXT

The 2005 edition of AS/NZS 5065 is amended as follows; the amendment(s) should be inserted in the appropriate place(s).

SUMMARY: This Amendment applies to the Foreword, Clauses 1.1, 1.4.2, 1.5, 2.1.3, 2.1.5, 2.1.6, 2.3, 3.1, 3.2.3, 3.3.1, 3.3.4(new), 3.4.1, 3.4.3, 4.4, 5.1 and 5.4, Tables 2.1(new), 3.0(new), 4.1, A1 and Appendix B.

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Foreword

- 1 *Delete* 'ISO 8772:1991' and *replace* with 'ISO 8772:2006'.
- 2 *Delete* 'ISO 8773:1991' and *replace* with 'ISO 8773:2006'.
- 3 *Delete* 'Stiffness class SN 10 is permitted in diameters equal to, or greater than DN 225.'
- 4 *Add* 'Changes to this edition include the exclusion of additives containing compounds based on lead, cadmium or mercury and changing the reporting requirements for ring flexibility to reflect the changes in the test method.'

Clause 1.1

Delete 'AS 2033' and *replace* with 'AS/NZS 2033'.

Clause 1.4.2

Delete the text and *replace* with the following:

That part of the interface between the elastomeric seal and the spigot and socket where the contact pressure is greater than 0.4 MPa for vulcanized seals and 0.47 MPa for thermoplastic seals.

Clause 1.5

Delete 'AS 2033' and *replace* with 'AS/NZS 2033'.

Clause 2.1.3

- 1 *Delete* the clause title *replace* with the following:

Black PE and PP compounds

- 2 *Delete* '10 mm to 25 mm' and *replace* with '10 nm to 25 nm'.

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Clause 2.1.5

Delete from the first sentence, 'condition 12,'.

Delete Items (a) and (b) and *replace* with the following Items (a), (b) and (c):

- (a) PE pipes and injection moulded fittings— $0.2 \text{ g/10 min} \leq \text{MFR} \leq 1.1 \text{ g/10 min}$ (temperature 190°C ; loading mass 5.0 kg, condition T).
- (b) PE rotational moulded fittings— $1.6 \text{ g/10 min} \leq \text{MFR} \leq 3 \text{ g/10 min}$ (temperature 190°C ; loading mass 5.0 kg, condition T).
- (c) PP— $\text{MFR} \leq 1.5 \text{ g/10 min}$ (temperature 230°C ; loading mass 2.16 kg, condition M).

Clause 2.1.6

Delete the text and *replace* with the following text and new Table 2.1:

PE compounds shall contain antioxidants, such that when determined, using oxygen, in accordance with ISO 11357-6, the oxidation induction time at a test temperature of 200°C shall be in accordance with Table 2.1 or a demonstrated equivalent time at a higher temperature.

Other test methods may be used provided that they can be demonstrated to give an accuracy of the same or higher degree than that given in ISO 11357-6.

TABLE 2.1
OXIDATION INDUCTION TIME
AT A TEST TEMPERATURE OF 200°C

	Minimum oxidation induction time (minutes)
Injection moulded pipes and fittings	40
Rotation moulded fittings	10

Clause 2.3

Delete the text and *replace* with the following:

The elastomeric seals shall comply with AS 1646.

Clause 3.1

Delete the text and *replace* with the following text and new Table 3.0:

PE pipes and fittings shall contain antioxidants, such that when determined, using oxygen, in accordance with ISO 11357-6, the oxidation induction time at a test temperature of 200°C shall be in accordance with Table 3.0 or a demonstrated equivalent time at a higher temperature.

Other test methods may be used provided that it can be demonstrated that they give the same or a higher degree of accuracy to that given in ISO 11357-6.