

AS 2033—1980

Australian Standard[®]

**Installation of polyethylene pipe
systems**

THE FOLLOWING SCIENTIFIC, INDUSTRIAL AND GOVERNMENTAL ORGANIZATIONS and departments were officially represented on the committee entrusted with the preparation of this standard:

Confederation of Australian Industry
Department of Construction
Department of Local Government, Qld.
Department of Public Works, N.S.W.
Engineering and Water Supply Department, S.A.
Federated Master Plumbers of Australia
Hunter District Water Board
Melbourne and Metropolitan Board of Works
Metropolitan Water, Sewerage and Drainage Board, N.S.W.
Plastics Institute of Australia Inc.
State Rivers and Water Supply Commission of Victoria

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systems**

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PREFACE

This standard was prepared by the Association's Committee on Polyethylene Pipe, under the authority of the Plastics Standards Board, as the 1980 edition of AS 2033—1977. This edition covers the adoption of the ISO 161* nominal outside diameter series for pipe manufactured in accordance with AS 1159—1979. Previously, pipe sizes in AS 1159 had been referred to in terms of nominal sizes.

This edition still covers handling, transport, and storage of polyethylene pipe. It also states a number of the properties of polyethylene pipe and gives indications of areas where the use of polyethylene pipe is not recommended. It deals with the installation and jointing techniques applicable to polyethylene pipe above or below ground.

In this edition the approach of the former standard has been continued for separate sections on pipes for pressure applications; soil, waste and vent (SWV) pipes; sewer pipes; and drain pipes; and covering both above and below ground installations as applicable. In addition, the installation of pipe as a pipeline liner is covered.

Although not in general use for soil, waste and vent applications in Australia at present, polyethylene pipe has received widespread acceptance for this purpose in Europe and after due consideration the committee agreed to extend the scope to include a section on the installation of polyethylene SWV systems.

The sections relating to jointing techniques and testing of pipelines have not been changed from that of the 1977 edition.

This standard may require reference to the following Australian standards:

AS 1159	Polyethylene (Polythene) Pipe for Pressure Applications
AS 1460	Mechanical Jointing Fittings for Use with Polyethylene Pressure Pipes
AS 1463	Polyethylene Pipe Extrusion Compounds
AS 1529	Installation of Household Type Hot Water Supply Systems
AS 1646	Rubber Joint Rings for Water Supply, Sewerage and Drainage Purposes
AS 1667	Polyethylene Pipes and Fittings for Gas Reticulation
AS 1697	SAA Gas Pipeline Code
AS 2129	Flanges and Bolting for Pipes, Valves and Fittings
AS 3000	Part 1-SAA Wiring Rules
AS CA68	Rules for Plastics Pipelaying Design
AS	Polyethylene Pipe and Fittings for House Drain and Sewer†

* ISO 161, Thermoplastics Pipes for the Transport of Fluids—Nominal Outside Diameters and Nominal Pressures—Part 1: Metric Series.

† In course of preparation.

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