This part of EN ISO 15874 specifies the characteristics of pipes made from polypropylene (PP) for piping systems intended to be used for hot and cold water installations within buildings for the conveyance of water whether or not intended for human consumption (domestic systems) and for heating systems under operating pressures and temperatures appropriate to the class of application (see Table 1 of EN ISO 15874-1:2003).

This standard covers a range of service conditions (application classes), design pressures and pipe dimension classes. For values of $T_D$, $T_{\text{max}}$ and $T_{\text{mal}}$ in excess of those in Table 1 of Part 1, this standard does not apply.

**Note 1:** It is the responsibility of the purchaser or specifier to make the appropriate selections from these aspects, taking into account their particular requirements and any relevant national regulations and installation practices or codes.

It also specifies the test parameters for the test methods referred to in this standard.

In conjunction with the other parts of EN ISO 15874 (see Foreword) it is applicable to PP pipes, their joints and to joints with components of PP, other plastics and non-plastics materials intended to be used for hot and cold water installations.

It is applicable to pipes with or without (a) barrier layer(s).

**Note 2:** In the case of plastics pipes provided with a thin barrier layer, e.g. to prevent or greatly diminish the diffusion of gases and the transmission of light into or through the pipe wall, the design stress requirements are
totally met by the base polymer (PP).

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This resource is cited by:

- AS/NZS 3500.1:2015
- AS/NZS 3500.1:2018
- AS/NZS 3500.4:2015
- ISO 15874-2:2013 is cited by AS/NZS 3500.4:2015 Plumbing and drainage - Heated water services
- AS/NZS 3500.4:2018
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