

STANDARDS ASSOCIATION OF AUSTRALIA

Australian Standard
**METHODS OF TEST FOR UNPLASTICIZED PVC (UPVC)
 PIPES AND FITTINGS**

AS 1462.4
METHOD FOR DETERMINING
REVERSION OF UPVC PIPES

1 SCOPE. This standard sets out the method for determining the degree of residual extrusion stress in unplasticized PVC (UPVC) pipes by immersion in a heat transfer medium.

2 REFERENCED DOCUMENT. The following standard is referred to in this standard:

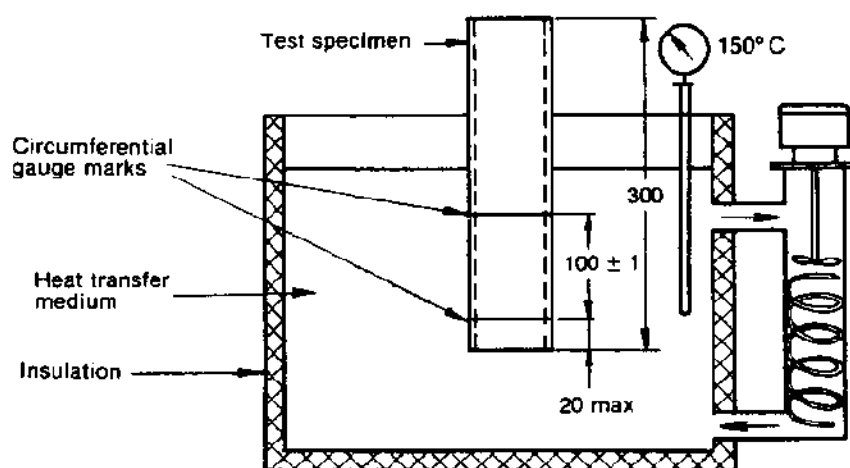
AS 1984 Vernier Callipers.

3 RELEVANCE OF TEST. This test is designed as a quality control test to monitor the degree of residual longitudinal stress that is present in a pipe following extrusion.

4 APPARATUS. The following apparatus is required:

- (a) A thermostatically controlled bath capable of maintaining the temperature of the heat transfer medium at $150 \pm 2^\circ\text{C}$ (see Fig. 1).
- (b) Vernier callipers complying with AS 1984 and reading to 0.02 mm.
- (c) Mercury-in-glass thermometer capable of indicating 150°C to an accuracy of $\pm 1^\circ\text{C}$, or other temperature indicating instrument of equal or greater accuracy.

5 HEAT TRANSFER MEDIUM. A mineral oil free from aromatic hydrocarbon a silicone oil, polyethylene glycol or glycerol.



DIMENSIONS IN MILLIMETRES

Fig. 1. HEAT REVERSION APPARATUS (Diagrammatic only)

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