

STANDARDS ASSOCIATION OF AUSTRALIA

**Australian Standard Methods of Test
for
RUBBER**

**METHOD 20. STANDARD TEMPERATURES,
HUMIDITIES AND TIMES FOR CONDITIONING AND
TESTING TEST PIECES*****FOREWORD**

Temperatures, humidities and times are specified in certain of the methods appearing in the following standards:

- AS 1180 Methods of Test for Hose Made from Elastomeric Materials
AS 1334 Methods of Test for Conveyor and Elevator Belting
AS 1683 Methods of Test for Rubber

In response to constant demands from the various rubber committees, it was deemed necessary to provide a method for general requirements for standard temperatures, humidities and times which would, in effect, constitute a revision of sections of the relevant methods in AS 1180, AS 1334 and AS 1683 and provide for future methods where these parameters would need to be stipulated.

In the preparation of this standard, cognizance was taken of the following International standards:

- ISO 139—1973 Textiles—Standard Atmospheres for Conditioning and Testing
ISO 471—1977 Rubber—Standard Temperatures, Humidities and Times for the Conditioning and Testing of Test Pieces
ISO 554—1976 Standard Atmospheres for Conditioning and for Testing—Specifications

This standard recognizes that, in general, the humidity is not critical to the testing of rubbers and specification of humidity is therefore restricted to situations where humidity is known to be a critical factor, e.g. for latex, where certain electrical properties were featured and where textile components(s) were involved.

The tolerances for relative humidity in this standard take cognizance of the fact that the general run of established commercially available hygrometers are capable of an accuracy of only ± 3 percent r.h. to ± 4 percent r.h.

* Derived from and substantially similar to ISO 471—1977, Rubber—Standard Temperatures, Humidities and Times for the Conditioning and Testing of Test Pieces.