



**Transport**  
Roads & Maritime  
Services

# Test method T1550

## Heat aging test for plastic materials

NOVEMBER 2012



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## Revision Summary

| Ed/Rev Number | Clause Number | Description of Revision                | Authorisation | Date          |
|---------------|---------------|--|---------------|---------------|
|               |               | Reformatted and Revision Summary Added | D.Dash        | June 2001     |
| Ed 2/ Rev 0   | All           | Reformatted RMS template               | J Friedrich   | November 2012 |
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Note that Roads and Maritime Services is hereafter referred to as 'RMS'.

The most recent revision to Test method T1550 (other than minor editorial changes) are indicated by a vertical line in the margin as shown here.

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# Test method T1550

## Heat aging test for plastic materials

### 1. Scope

This test sets out the procedure for heat aging of plastic materials, in order to assess any changes of their specified physical properties.

The aged specimens may after inspection be subjected to low temperature impact testing.

### 2. Apparatus

- (a) A thermostatically controlled oven with good air circulation capable for maintaining temperature within the specified range 49°C to 51°C
- (b) Hack saw
- (c) Gloves, heat insulated

### 3. Preparation

Duplicate sections of the material 600 mm in length are cut.

### 4. Procedure

- (a) The duplicate specimens are placed into the thermostatically controlled oven (a) and kept there for the specified period.
- (b) At the end of the aging process the specimens are removed from the oven, using gloves (c), and allowed to cool.
- (c) The specimens are inspected for discolouration, loss of gloss, permanent deformation of any form, cracking or other evidence of failure.

### 5. Reporting

Report the temperature of test and any change of colour and gloss.

Report any evidence of physical failure. If none, report as free from damage.