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FORD LABORATORY TEST METHOD BO 157-01

TEST FOR ADEQUATE CURING OF FLEXIBLE PVC MATERIALS

Application

This test method is used to check for adequate curing of flexible PVC materials.

Apparatus and Materials Required

Glass Beaker - 150 mL, 95 mm in height

Test Tube Clamp

Steel Strip - Approximately 30 x 50 x 1 mm

Ethyl Acetate

Stop Watch - graduated in 0.2 sec increments

Conditioning and Test Conditions

All test values indicated herein are based on material conditioned in a controlled atmosphere of 23 +/- 2 °C and 50 +/- 5 % relative humidity for not less than 24 h prior to testing and tested under the same conditions unless otherwise specified.

Procedure

1. Cut a specimen approximately 100 x 15 mm and fold it around the shorter edge of the steel strip (see Figure 1).
2. Attach the ends of the specimen on the steel strip using a test tube clamp.
3. Immerse specimen in ethyl acetate and start timing.
4. After approximately 2 minutes immersion time, withdraw the specimen from the solution and examine it without magnification for cracks.

Date	Action	Revisions
2001 04 02	Revised	Editorial – no technical change A. Cockman
1990 02 08		

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5. If uncracked, again immerse in ethyl acetate and restart timing.

6. Stop timing when the first cracks on the specimen are observed.

7. Report the total immersion time.

Note: If cracks are not observed, stop the test after 30 minutes immersion time.

Chemicals, materials, parts, and equipment referenced in this document must be used and handled properly. Each party is responsible for determining proper use and handling in its facilities.

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