

INTERMODAL MATERIÉL
AND
NAUTICAL/NUCLEAR ANALYSIS
IMANNA
LABORATORY INC.

CERTIFICATION TEST REPORT

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TEST REPORT 15753-1
OF
400 HOUR U.V.B. TEST
OF
MOLDED PLASTIC BEZELS
FOR
GRAYHILL INC.

CUSTOMER:

GRAYHILL, INC.
561 HILLGROVE AVE.
LAGRANGE, ILL. 60525

MANUFACTURER
OF TEST ARTICLE: Grayhill
Chicago, Ill.

DATE: May 31, 2002

REPORT NO.: 15753-1
IMANNA JOB NO.: 15753
CUSTOMER P.O. NO.: PN25196
CONTRACT: N/A
PAGES IN REPORT: 3

STATE OF FLORIDA

ROBERT L. WHITE, being duly sworn, deposes and says: The information contained in this report is the result of complete and carefully conducted tests and is to the best of his knowledge true and correct in all respects.

Robert L. White

SUBSCRIBED and sworn to before me this 31st day of May, 2002

David H. Hudgins



David H. Hudgins
Commission # DD 010632
Expires May 3, 2005
Bonded Thru
Atlantic Bonding Co., Inc.

Imanna shall have no liability for damages of any kind to person or property, including special or consequential damages resulting from Imanna's providing the service covered by the report.

IMANNA LABORATORY, Inc.
TEST BY
Robert L. White
PROJ. ENGINEER

1. TEST ARTICLE

Two plastic injected molded silver bezels (P/Ns:93z5344-3 / 93z5345-3) were received for test.

2. REQUIREMENTS

The requirements for this effort are to perform a 400 HR. UV accelerated weathering test on the supplied bezels in accordance with ASTM D4329.

3. PROCEDURES

The procedures utilized in the performance of this effort are ASTM D4329. The parts were placed in an accelerated weathering machine and subjected to the following conditions:

8 hours UV-B Light, Black Body Temp. of 60°C

4 hours condensate water, Black Body Temp. of 30°C

This cycle was repeated continuously during the 400 hour test period.

4. RESULTS OF UV ACCELERATED WEATHERING

Each of the tested samples experienced changes that could be detected, visually, as a result of the 400 hours of exposure. Photos of each of the tested pieces following the test cycle follow.

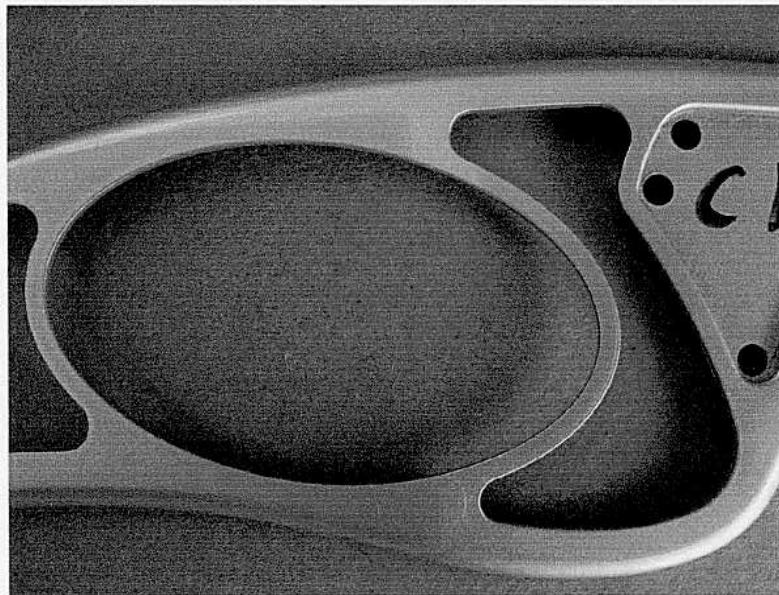


Figure 1 typical test piece after 400 hr exposure



Figure 2 view of change experienced after 400 hr exposure