



CLIENT: Renewed Materials, LLC
PO Boxx 55
Cabin John, MD 20818-0055

Attn: Gabriele Zamora

Test Report No: 654:026659-1

Date: October 26, 2009

SUBJECT: ASTM D256-06a Standard Test Methods for Determining the Izod Pendulum Impact Resistance of Plastics.

REFERENCE: Letter

SAMPLE ID: Samples, identified by the client as “**Alkemi**” were received on 9/15/09 in good condition.


PROCEDURE: The samples were evaluated in accordance with ASTM D256-06a for impact resistance. No revisions to this report are allowed after 90 days of the report date.

TEST DATE: 10/22/09

RESULTS: Results can be found on the following pages.

CERTIFICATION: The tests reported here were conducted under the continuous direct supervision of SGS U.S. Testing Company Inc., Tulsa, OK.

**SIGNED FOR AND ON BEHALF OF
SGS U.S. TESTING COMPANY INC.**


Jarred L. Johnson
Materials Department Technician


S. Scott Parkhurst
Branch Technical Manager

Page 1 of 2

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Test Results

Method: A

Specimen Type: Standard, Notched

Conditioning: Min. 40 hours, 23° ± 2°C; 50 ± 5% RH

Pendulum Capacity: 1.020 lbf

Test Temperature, C°: 22°

Test Humidity: 47%

| Specimen | Notch With, in. | Depth Under Notch, in. | Breaking Energy, ft-lb | Impact Resistance, ft-lb/in. | Type of Break |
|----------|-----------------|------------------------|------------------------|------------------------------|---------------|
| 1 | 0.505 | 0.397 | 0.311 | 0.62 | Complete |
| 2 | 0.506 | 0.402 | 0.285 | 0.56 | Complete |
| 3 | 0.506 | .0400 | 0.478 | 0.94 | Complete |
| 4 | 0.506 | 0.402 | 0.277 | 0.55 | Complete |
| 5 | 0.511 | 0.400 | 0.307 | 0.60 | Complete |
| Average | - | - | - | 0.65 | - |

End of Report