



Report For: **Thruflow Inc.**
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Report Date: April 20, 2004
Received Date: March 29, 2004

Customer P.O.#: 4

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TEST REPORT

IZOD IMPACT

THRUFLOW 4' GFPP DOCK PANEL

1. INTRODUCTION

Six specimens from the 4' GFPP dock panel identified as "new 4' panel, beige, 356155-3" were machined, notched and tested for Izod Impact testing in accordance with ASTM D256-03, Method A using a 2 lb pendulum. The Izod specimens were taken from the rib of the panel. The width of the specimens had a taper of 0.018 – 0.031 in. and as such are considered non-conforming as per ASTM D256-03 Sec 7.2. Results were calculated using the average width of each Izod specimen. The specimens were conditioned a minimum of 16 hours at $-34.4 \pm 2^\circ\text{C}$ or 40 hours at $23 \pm 2^\circ\text{C}$ and $50 \pm 5\%$ R.H. as appropriate, prior to testing. At the cold temperature specimens were impacted within 5 seconds of removal from the cold chamber. The average width of the specimens was 0.116 to 0.120 inches.

2. RESULTS

16 Hours @ $-34.4 \pm 2^\circ\text{C}$

| Impact Strength (ft-lb/in) | Type of Failure |
|----------------------------|-----------------|
| 1.16 | Complete Break |
| 1.40 | Complete Break |
| 1.12 | Complete Break |
| Avg. = 1.23 ft-lb/in | |

Ambient

| Impact Strength (ft-lb/in) | Type of Failure |
|----------------------------|-----------------|
| 2.48 | Partial Break |
| 2.51 | Partial Break |
| 2.68 | Partial Break |
| Avg. = 2.62 ft-lb/in | |

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Per *Derek Wild* TECHNICIAN