



**Report For:** **Thruflow Inc.**  
P.O. Box 40  
760 Lowe Avenue  
Wallaceburg, ON  
Canada N8A 4Z9

Phone: 519 627 7960  
Fax: 519 627 7969

**Laboratory #:** 356155D-04

**Report Date:** April 20, 2004  
**Received Date:** March 29, 2004

**Customer P.O.#:** 4

**Attention:** Derek McGivern

**TEST REPORT**

**COEFFICIENT OF LINEAR THERMAL EXPANSION**  
**THRUFLOW 4' GFPP DOCK PANEL**

**1. INTRODUCTION**

Two specimens from the 4' GFPP dock panel identified as "new 4' panel, beige, 356155-3" were tested to determine the Coefficient of Linear Thermal Expansion (CLTE) in accordance with ASTM D696-03. The test specimens were prepared by milling the edges to a nominal finished dimension of 50.9 mm x 12.8 mm x 3.2 mm.

**2. RESULTS**

SPECIMEN	TEMPERATURE RANGE (°C)	RESULTS
1	-29.2 to +28.8 to -28.8	2.68 x 10 <sup>-5</sup> 1°C
2	-28.7 to +30.2 to -29.8	2.35 x 10 <sup>-5</sup> 1°C
Mean		2.52 x 10 <sup>-5</sup> 1°C 1.40 x 10 <sup>-5</sup> 1°F

This report is subject to the following terms and conditions: 1. This report relates only to the specimen provided and there is no representation or warranty that it applies to similar substances or materials or the bulk of which the specimen is a part. 2. The content of this report is for the information of the customer identified above only and it shall not be reprinted, published or disclosed to any other party except in full. Prior written consent from Cambridge Materials Testing Limited is required. 3. The name Cambridge Materials Testing Limited shall not be used in connection with the specimen reported on or any substance or materials similar to that specimen without the prior written consent of Cambridge Materials Testing Limited. 4. Neither Cambridge Materials Testing Limited nor any of its employees shall be responsible or held liable for any claims, loss or damages arising in consequence of reliance on this report or any default, error or omission in its preparation or the tests conducted. 5. Specimens are retained 3 months, test reports and test data are retained 10 years from date of final test report and then disposed of, unless instructed otherwise in writing.

**Cambridge Materials Testing Limited**

Per *Steve Brown* QUALITY ASSURANCE  
Per *Derek Wild* TECHNICIAN