



**Structural Composites**<sup>®</sup>

**Sigma Labs**

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18 May 2004

Structural Composites Report Number:  
SCL 3015-XXX

Data Summary for:

COMPANY

Address

Attn: Contact



Report SCL 2015-xxx

18 May 2004

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## Data Summary for FRP Panel

ASTM D 638	Tensile Strength / Modulus	
	Tensile Strength	18,000 psi
	Tensile Modulus	1.025 Mpsi

ASTM D 790	Flexural Strength / Modulus	
	Flexural Strength	32,578 psi
	Flexural Modulus	1.985 Mpsi

ASTM D 2584	Resin Content	
	Percent resin content by weight	35.45 %
	Percent glass content by weight	64.55 %

### Notes on testing:

Mechanical properties represent the average of 5-6 test specimens

Structural Composites certifies that the test results contained herein are true and accurate within the limits of the measuring devices employed. All load and strain measuring devices are calibrated according to ASTM E 4 and ASTM E 83. The test equipment is calibrated with standards traceable to NIST.

Eric J Roehl, CCT-I  
Director of Testing Services

**Structural Composites Inc.**

Raw Data Summary

CLIENT: SCI  
 TESTS PERFORMED: Tensile Strength/Modulus (ASTM D-3039)  
 TEST PROGRAM NAME: 3015-xxx  
 DATE TESTS PERFORMED: 4/11/2003

TEST RESULTS:

Specifications:

Conditions:

SAMPLE I.D.	TEST I.D.	WIDTH (in)	DEPTH (in)	TENSILE STRENGTH (psi)	TENSILE MODULUS (psi)	MAX. LOAD (lb.)	LOAD PER INCH WIDTH (lb/in)
51	T1	1.2080	0.0185	71,971	5.704E+06	1,608	1,331
51	T2	1.2205	0.0195	71,643	5.300E+06	1,705	1,397
51	T3	1.2105	0.0190	38,775	6.629E+06	891	736
51	T4	1.2275	0.0195	70,891	5.116E+06	1,696	1,382
51	T5	1.2215	0.0175	76,750	6.499E+06	1,640	1,343

Average	0.0188	66,006	5.850E+06	1,238
Standard Deviation	0.0008	15,396	6.872E+05	282

STRUCTURAL COMPOSITES INCORPORATED

LABORATORY

ASTM D3039 or D638 Tensile Test

TENSILE STRENGTH	81567 PSI	SAMPLE #	8-C1
TENSILE MODULUS	1025967 PSI	DATE:	1/21/2004
MAX LOAD	36705 LBS	TEMP:	73 °F
		HUMIDITY:	30%
		WIDTH:	0.45 IN
		DEPTH:	1 IN
		GAUGE LEN.	2 IN
		MOD LOW	1000
		MOD HIGH	2000
		TESTER:	JH
		LOCATION:	MELBOURNE, FL
		EXTENSOMETER:	S1000-2A

