



**FLEXURAL STRENGTH OF  
GLASS FIBER REINFORCED CONCRETE**

Project Number:	107964C	Report Date	01/04/08
Project Name:	Aristone Concrete Design	Type of Sample	GFRC- Sprayed
	1615 E. Weber Drive	Test Method:	ASTM C 947
	Tempe, AZ 85281	Date Cast:	12/06/07
Client Name:	Charlie Martin	Date Tested:	01/02/08
		Age, Days:	27

**Test Conditions and Results**

Sample ID:	Set 4	Bulk Density, pcf:	ASTM C 948
Glass Content. %:	..	Absorption, %:	ASTM C 948
Sample Conditioning:	Wet	Elastic Modulus, psi:	PCI MNL -130
Test Span, in:	10		
Crosshead Speed, in/min:	0.2		

**Laboratory Test Results**

SAMPLE NUMBER	WIDTH (in)	DEPTH (in)	FLEXURAL LOAD		FLEXURAL STRENGTH		REMARKS
			YIELD LOAD (lbs)	ULTIMATE LOAD (lbs)	YIELD STRENGTH (psi)	ULTIMATE STRENGTH (psi)	
1.	1.98	0.515	28	32	533	609	OK
2.	2.01	0.512	34	34	645	645	OK
3.	1.96	0.522	36	36	674	674	OK
4.	1.99	0.497	32	33	651	671	OK
5.	2.03	0.522	37	37	669	669	OK
6.	1.99	0.474	31	31	693	693	OK
<b>Average</b>					<b>644</b>	<b>660</b>	

Specimens will be discarded after 28 days

Remarks:

Cc:

Reviewed by

*Mohammed Faiyaz*

Mohammed Faiyaz  
Laboratory Manager



ACCREDITED

ASTM C 947 Only