

MATERIAL TESTING LABORATORY

MILITARY ENGINEER SERVICES (MES)

TEST RESULTS FOR TENSILE STRENGTH OF PLAIN/DEFORMED/RIBBED COLD TWISTED M.S. BARS

Job No : 233/19-20(Steel) Copy No. : 01

Name of Client : GE (Navy) Dhaka. Sample Specimen : Length 600 mm Dia 10mm

Ref Itr No : 2000/Test/134/E-2 Dt. 29 Oct'2019. Sample Grade : 60

Project Name : Not Mentioned

Date of Collection : Sunday, 17 November, 2019

Sample No	Nominal Dia	Actual Dia	Area Under Test	Actual Unit Weight	Average Actual Unit Weight	Yield or Proof Load	Yield or Proof Strength	Average Yield or Proof Strength	Ultimate Load	Ultimate Strength	Average Ultimate Strength	Elong % (g leng	auge	Elong % (g	rage gation gauge gth)
	inch mm	inch mm	sq.inch sq.mm	lb/ft kg/m	lb/ft kg/m	lb kn	psi Mpa	psi Mpa	lb kn	psi Mpa	psi Mpa	8inch	5d**	8inch	5d**
1	0.394 10	0.395 10.022	0.1217 78.5398	0.416 0.619	0.416 0.619	7648.04 34.02	62824 433	61766 426	12063.3 53.66	99093 683	98102 676	16.5		18	
2	0.394 10	0.395 10.022	0.1217 78.5398	0.416 0.619		7645.79 34.01	62806 433		12310.6 54.76	101125 697		18.5			
3	0.394 10	0.395 10.022	0.1217 78.5398	0.416 0.619		7263.61 32.31	59667 411		11454.07 50.95	94089 649		18			

Cautions:

- 1. Samples as supplied to the laboratory have been tested. The laboratory authority does not bear any responsibility as to the representative charecter of the samples to be tested.
- 2. It is recommended that the samples are sent in a secure and sealed cover/packet/container under signature of the competent authority.
- 3. In order to avoid fraudulent fabrication of the test results, it is recommended that all test reports should be collected by duly authorized person and not by the contractor/supplier.

Observation on Specimen(if any):

1.

Minimum Standard Requirements (BDS/ISO 6935-2:1991(E)				Minimum Standard Requirments(ASTM A615/A616M-96a)										
				ASTM A 615 M			ASTM A 615 M			ASTM A 615/A 615 M				
Grade	Y/strength	Ult.Str	Elongation	Grade	Y/strength Ult.Str Grade Y/strength Ult.Str				Ult.Str	Minimum Elongation in 8"(203.2 mm) GL (%)				
	N/mm2 or	CONTRACTOR OF THE PERSON NAMED IN	3338		psi	psi		Mpa	Mpa	10	13,16,19 mm	22,25	29,32,36	
	Mpa	Mpa	%		(kg/cm2)	(kg/cm2)		(kg/cm2)	(kg/cm2)	mm	400 000 A	mm	mm	
300	300	330	16	40	40000(2810)	70000(4910)	300	300(3050)	500(5090)	11	12			
400/400w	400	440	14	60	60000(4210)	90000(6310)	420	420(4275)	620(6295)	9	9	8	7	
500/500w	500	550	14	75	75000(5255)	100000(7015)	520	520(5275)	690(7010)		7	7	6	

This is a computer genarated copy

No signature is required

Note : [1 Mpa = 145 Psi, 1 kg/cm2 = 14.223 psi]

Laboratory Technichian

Test Performed By

Vetted By

: ASBRM 400

Frog Mark