

MATERIAL TESTING LABORATORY

MILITARY ENGINEER SERVICES (MES)

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

Job No : 07/2021-2022(Steel). Copy No. : 01

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

Ref Itr No : CEA/357 of 2020-2021/11/E-6 Dt.13 July'2021. Sample Grade : 60

Project Name : CEA/357 of 2020-2021. Frog Mark : SAS B 400+ Date of Collection : Thursday, 15 July, 2021

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	% (g	gation gauge gth)	Average Elongation % (gauge length)	
	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	0.397 10.081	0.1217 78.5398	0.421 0.627		9255.43 41.17	76028 524		11818.26 52.57	97081 669		18			
2	0.394 10	0.397 10.081	0.1217 78.5398	0.421 0.627	0.421 0.627	9235.19 41.08	75862 523	76034 524	11755.31 52.29	96563 666	96736 667	18.5		20	
3	0.394 10	0.397 10.081	0.1217 78.5398	0.421 0.627		9277.91 41.27	76213 525		11755.31 52.29	96563 666		22			

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.

Minimu	m Standard	Requiremen	nts (BDS/ISO	Minimum Standard Requirments(ASTM A615/A616M-96a)										
6935-2:1991(E)				ASTM A 615 M			ASTM A 615 M			ASTM A 615/A 615 M				
Grade	Y/strength	//strength Ult.Str Elongation Grade Y/strength Ul				Ult.Str	Grade Y/strength Ult.Str			Minimum Elongation in 8"(203.2 mm) GL (%)				
	N/mm2 or	Control of the Contro	22.00		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	A 250	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)	1344	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

Laboratory Technichian

Test Performed By

Vetted By