

Muhammad Reza Awan
 Manager Gharibwal Cement Ltd. Lahore

Test Performed By: Dr. /Engr. Asad Ali Gillani

Client Reference: GCL/Admin./UET/Tests/91

Dated: 20-06-2022

SOM Lab Ref: CED/SOM/519(Page-1/1)

Dated: 21-06-2022

Test: Tension Test & Bend Test

Test Specification: ASTM-A 615

Sample Type: MS Deformed Bar

Gauge Length: 200 mm

S.No.	Weight	Dia.		Area		Yield Load	Ultimate Load	Yield Stress		Ult. Stress		Elongation	Gauge Length	%age Elongation	Remarks
		Nominal	Calculated	Nominal	Calculated			(according to nominal area)	(according to measured area)	(according to nominal area)	(according to measured area)				
	kg/m	mm	mm	mm ²	mm ²	kN	kN	MPa	MPa	MPa	MPa	mm	mm	%	
1	0.870	12	11.89	113	111	53.20	79.70	470	480	705	719	35.0	200	17.5	New
2	0.866	12	11.85	113	110	52.00	77.50	460	472	685	703	32.5	200	16.3	Re-test
3	0.868	12	11.86	113	111	51.50	77.70	455	466	687	703	30.0	200	15.0	Re-test
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BEND TEST:

12mm(New)	Sample bend through 180 degrees Satisfactorily without any crack	Note:- Only Four Samples Received and Tested

Note: Please always confirm the results of above report on web www.uet-civil.edu.pk

Prof.Dr.Engr.Abdulah Yasar

Test Performed By: Dr./Engr. Nauman Khurram

Campus Engr.GC Uni Lhr.(Const.Of Sheikh Abdul Hasan Al-Shadhili Research Centre On Sufism,)

Client Reference: GCU/Engr/3000/P

SOM Lab 518 (Page-
Ref: 1/1)

Dated: 20-06-2022

Dated: 21-06-2022

Test: Tension Test & Bend Test

Test Specification:

ASTM-A-615

Gauge Length: 8 inch

Sample Type:

Deformed Bar (Razaque
Steel)

S.No.	Weight	Dia.		Area		Yield Load	Ultimate Load	Yield Stress		Ult. Stress		Elongation	Gauge Length	%age Elongation	Remarks
		Nominal	Calculated	Nominal	Calculated			(according to nominal area)	(according to measured area)	(according to nominal area)	(according to measured area)				
	lb/ft	#	in	in ²	in ²	Tons	Tons	psi	psi	psi	psi	in	in	%	
1	2.684	8	1.002	0.79	0.789	28.00	34.48	78180	78280	96250	96370	1.50	8.0	18.8	
2	2.713	8	1.007	0.79	0.797	27.98	34.51	78120	77430	96330	95490	1.40	8.0	17.5	
3	1.507	6	0.751	0.44	0.443	15.21	19.75	76240	75720	98970	98300	1.30	8.0	16.3	
4	1.504	6	0.750	0.44	0.442	15.31	19.83	76750	76400	99380	98930	1.30	8.0	16.3	
5	0.679	4	0.505	0.20	0.200	7.24	9.19	79810	79810	101390	101390	1.20	8.0	15.0	
6	0.666	4	0.500	0.20	0.196	7.08	9.04	78130	79720	99710	101740	1.10	8.0	13.8	
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BEND TEST:

# 8	Sample bend through 180 degrees Satisfactorily without any crack	Note:- Only Nine Samples Received and Tested
# 6	Sample bend through 180 degrees Satisfactorily without any crack	
# 4	Sample bend through 180 degrees Satisfactorily without any crack	

Note: Please always confirm the results of above report on web www.uet-civil.edu.pk

Sub Divisional officer,

Test Performed By: Dr. /Engr. Nauman Khurram

BSD No.1,R.Y.Khan.(Const Of Police Station New Building Of PS Aab-E-Hayat At R.Y.Khan)

Client Reference: 4400/RYK

SOM Lab Ref: 520 (Page-1/1)

Dated: 30-04-2022

Dated: 21-06-2022

Test: Tension Test & Bend Test

Test Specification: ASTM-A-615

Gauge Length: 8 inch

Sample Type: Deformed Bar

S.No.	Weight	Dia.		Area		Yield Load	Ultimate Load	Yield Stress		Ult. Stress		Elongation	Gauge Length	%age Elongation	Remarks
		Nominal	Calculated	Nominal	Calculated			(according to nominal area)	(according to measured area)	(according to nominal area)	(according to measured area)				
	lb/ft	#	in	in ²	in ²	Tons	Tons	psi	psi	psi	psi	in	in	%	
1	1.504	6	0.750	0.44	0.442	12.81	18.73	64230	63940	93860	93440	1.50	8.0	18.8	
2	0.676	4	0.503	0.20	0.199	6.09	9.02	67110	67450	99480	99980	1.00	8.0	12.5	
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BEND TEST:

# 6	Sample bend through 180 degrees Satisfactorily without any crack	Note:- Only Four Samples Received and Tested
# 4	Sample bend through 180 degrees Satisfactorily without any crack	

Note: Please always confirm the results of above report on web www.uet-civil.edu.pk

IDAP Govt Of Punjab

Test Performed By: Dr. /Engr. Asad Ali Gillani

Engr's Representative ,(Const Of Training Labortary At Punjab Forensic Science Agency, Lahore)

Client Reference: TE(PFSA)/IDAP/SO/2022/14531SOM Lab 521 (Page-
Ref: 1/1)

Dated: 17-06-2022

Dated: 21-06-2022

Test: Tension Test & Bend Test

Test Specification:

ASTM-A-615

Gauge Length: 8 inch

Sample Type:

Deformed Bar (FF Steel)

S.No.	Weight	Dia.		Area		Yield Load	Ultimate Load	Yield Stress		Ult. Stress		Elongation	Gauge Length	%age Elongation	Remarks
		Nominal	Calculated	Nominal	Calculated			(according to nominal area)	(according to measured area)	(according to nominal area)	(according to measured area)				
	lb/ft	#	in	in ²	in ²	Tons	Tons	psi	psi	psi	psi	in	in	%	
1	2.623	8	0.991	0.79	0.771	25.79	34.51	72000	73780	96330	98710	1.50	8.0	18.8	
2	2.628	8	0.991	0.79	0.772	25.50	34.32	71200	72860	95820	98050	1.60	8.0	20.0	
3	1.477	6	0.743	0.44	0.434	13.73	18.78	68830	69780	94120	95420	1.40	8.0	17.5	
4	1.485	6	0.745	0.44	0.436	13.71	18.81	68730	69360	94270	95140	1.50	8.0	18.8	
5	0.673	4	0.502	0.20	0.198	6.65	9.33	73290	74030	102860	103890	1.30	8.0	16.3	
6	0.664	4	0.498	0.20	0.195	6.57	9.35	72510	74360	103080	105720	1.30	8.0	16.3	
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BEND TEST:

8 Sample bend through 180 degrees Satisfactorily without any crack

6 Sample bend through 180 degrees Satisfactorily without any crack

4 Sample bend through 180 degrees Satisfactorily without any crack

Note:-Only Nine Samples
Received and TestedNote: Please always confirm the results of above report on web www.uet-civil.edu.pk

Test Performed by: Dr.S.Asad ali Gillani

Tayyab Iqbal

RE NESPAK, University of Kotli, AJ&K.

(Construction of Academic Blocks (faculty Of Administrative & Social Science And Faculty of Natural Science), Boundary Wall and Main Gate-Pkg 01)

Client Reference No.: 3996/3310/TI/Uok/68

Dated: 19-06-2022

SOM Lab Ref: CED/SOM/514(Page 1/1)

Dated: 20-06-2022

Test Type: Hardness Test

Sample Type: Aluminum Strip

Hardness Test Details:

Machine used: Avery Rockwell Hardness Testing Machine

(Minor Load: 10 Kgf Major Load: 60.0 kgf Scale: A)

Hardness Test Results

Sample No.	Marks	Sample Type	Hardness
1	(AA)	Aluminum Strip	HR – 72.16 – A
2	(BB)	Aluminum Strip	HR – 68.16 – A
3	(CC)	Aluminum Strip	HR – 66.00 – A
4	(DD)	Aluminum Strip	HR – 71.66 – A

Note: Please always confirm the results on web www.uet-civil.edu.pk

