

DESCON Oxychem
Lahore.(DOL Oxychem Limited)

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

Client Reference: Nil
SOM Lab Ref: CED/SOM/2019(Page-1/1)

Dated: 27-03-2023

Dated: 31-03-2023

Test: Tension Test & Bend Test

Test Specification: ASTM-A 615

Sample Type: 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	2.199	20	18.88	314	280	151.00	195.00	481	540	621	697	30.0	200	15.0	
2	0.959	12	12.47	113	122	67.20	83.50	594	550	738	684	30.0	200	15.0	
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BEND TEST:

20mm	Sample bend through 180 degrees Satisfactorily without any crack	Note:- Only Four Samples Received and Tested
12mm	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

Engr. Hassan Mehmood

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

RE G3 Engg Consult.(Const.of DHA Newlife Residency Appartments at 273/1Q Block Ph-II DHA.Lhr)

Client Reference: G3/DHA-NLD/RE/146

SOM Lab

Ref: 2020 (Page-1/1)

Dated: 30-03-2023

Dated: 31-03-2023

Test: Tension Test & Bend Test

Test Specification: ASTM-A-615

Gauge Length: 8 inch

Sample Type: Deformed Bar (AF 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	2.671	8	1.000	0.79	0.785	25.13	33.66	70150	70600	93970	94570	1.30	8.0	16.3	
2	2.675	8	1.000	0.79	0.786	24.92	33.74	69580	69940	94200	94680	1.50	8.0	18.8	
3	2.677	8	1.001	0.79	0.787	25.54	34.12	71290	71560	95250	95610	1.50	8.0	18.8	
4	1.504	6	0.750	0.44	0.442	13.37	19.47	67040	66740	97590	97150	1.40	8.0	17.5	
5	1.514	6	0.753	0.44	0.445	13.99	20.25	70100	69320	101530	100390	1.30	8.0	16.3	
6	1.515	6	0.753	0.44	0.445	13.17	19.39	66020	65280	97180	96090	1.30	8.0	16.3	
7	0.674	4	0.502	0.20	0.198	6.95	8.84	76660	77440	97460	98440	1.10	8.0	13.8	
8	0.670	4	0.501	0.20	0.197	6.68	8.94	73630	74750	98580	100080	1.00	8.0	12.5	
9	0.672	4	0.501	0.20	0.197	6.34	8.77	69920	70990	96670	98140	1.00	8.0	12.5	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

BEND TEST:

# 8	Sample bend through 180 degrees Satisfactorily without any crack	Note:- Only Twelve 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

Ch. Sohail Akhtar

Test Performed By:

Dr. /Engr.

Asad Ali Gillani

C.K.D Seed & Fertilizer, Sheikhupura Road Near Mini Stadium Gujranwala.

Client Reference: Nil

SOM Lab

Ref:

2021 (Page-1/1)

Dated: 31-03-2023

Dated:

31-03-2023

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	1.462	6	0.740	0.44	0.430	10.35	16.72	51860	53070	83800	85750	1.40	8.0	17.5	
2	0.671	4	0.501	0.20	0.197	4.59	7.19	50590	51360	79250	80460	1.30	8.0	16.3	
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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