

Muhammad Shabbir
 Construction Manager, Opal, Deevar Developers Pvt. Ltd. Lahore

Test Performed By: Dr. /Engr.

M. Irfan-ul-Hassan

Client Reference: ZD/ZO/L/018

Dated: 27-01-2021

SOM Lab Ref: 3724(Page-1/1)

Dated: 27-01-2021

Test: Tension Test & Bend Test

Gauge Length: 8 inch

Test Specification:

Sample Type:

ASTM-A-615

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	2.637	8	0.993	0.79	0.775	24.36	35.37	68020	69330	98750	100660	1.30	8.0	16.3	
2	2.633	8	0.993	0.79	0.774	23.96	34.96	66880	68260	97610	99630	1.40	8.0	17.5	
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BEND TEST:

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

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

Director Projects
 Innovative® Construction Company, Lahore

Test Performed By: Dr. /Engr. M. Irfan ul Hassan

Client Reference: ICL/ISM/HBK/01/01

SOM Lab Ref: 3725(Page-1/1)

Dated: 26-01-2021

Dated: 27-01-2021

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	1.474	6	0.743	0.44	0.433	13.76	19.49	68980	70100	97690	99270	1.20	8.0	15.0	
2	1.492	6	0.747	0.44	0.438	13.97	19.67	70000	70320	98610	99060	1.20	8.0	15.0	
3	0.657	4	0.496	0.20	0.193	6.54	8.56	72170	74790	94420	97850	1.10	8.0	13.8	
4	0.656	4	0.496	0.20	0.193	6.52	8.63	71940	74550	95210	98660	1.20	8.0	15.0	
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-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

BEND TEST:

# 6	Sample bend through 180 degrees Satisfactorily without any crack	Note:- Only Six 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