Hasnain Saeed
SQN LDR GE (AIR) Rafiqui

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

Client Reference: 6517/09/E-6
Dated: 18-06-2021

SOM Lab Ref: 4513(Page-1/1)
Dated: 21-06-2021

Test: Tension Test & Bend Test
Guage Length: 8 inch

Test Specification: ASTM-A-615
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	0.644	4	0.491	0.20	0.189	5.17	7.67	56990	60310	84530	89450	1.20	8.0	15.0	
2	0.646	4	0.492	0.20	0.190	5.12	7.61	56430	59400	83970	88390	1.20	8.0	15.0	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
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-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
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-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

BEND TEST:

# 4	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

Engr Shoaib Ullah
Al-Hamd General Engineering Services, Lahore

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

Client Reference: nil
Dated: 21-06-2021

SOM Lab Ref: 4514(Page-1/1)
Dated: 21-06-2021

Test: Tension Test & bend Test
Gauge Length: 8 inch

Test Specification: ASTM-A-615
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	2.495	8	0.966	0.79	0.733	22.29	31.31	62240	67080	87420	94220	1.50	8.0	18.8	
2	2.538	8	0.975	0.79	0.746	23.11	31.77	64520	68320	88700	93940	1.40	8.0	17.5	
3	1.479	6	0.744	0.44	0.435	15.14	19.75	75880	76750	98970	100110	1.30	8.0	16.3	
4	1.392	6	0.722	0.44	0.409	14.98	19.54	75110	80800	97950	105370	1.40	8.0	17.5	
5	0.673	4	0.502	0.20	0.198	6.75	8.56	74420	75170	94420	95380	1.10	8.0	13.8	
6	0.672	4	0.501	0.20	0.197	6.93	8.74	76440	77600	96340	97800	1.00	8.0	12.5	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
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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 Tested

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

Test Performed By: S. Asad Ali Gillani

Col (R) Raza Riasat
Resident Engineer-I
New Vision Engineering Constultant, ISLAMABAD

Client Reference: NVEC/RO/QIE/2021/016 Dated: 10-06-2020
SOM Laboratory Reference: CED/SOM/4503(Page-1/1) Dated: 21-12-2020
Test: Flexural Test & Compressive Strength Tests
Sample Type: CAT – EYES (Brand -3M)
Test Specification: ASTM-D4280

Test Results

Sr. No.	Sample Type	Top Dimensions (mm)	Bottom Dimensions (mm)	Thickness (mm)	Inclination (Degree)	Flexural Load(kg)	Compression Load (Kg)
1	Cat-Eyes Yellow	76.0 x 45.0	101.5 x 89.0	16.0	31.534°	1040.00	---
2	Cat-Eyes Yellow	76.0x 45.0	101.5 x 89.5	16.0	31.534°	---	99900.0

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