

Muhammad Danish Khurshid
 Manager Construction, Orient Electronics (Pvt) Ltd, Lahore

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

Client Reference: OSH-SO/UET/Agha Steel Test/02082021- **SOM Lab Ref:** 4740(Page-1/1)

Dated: 02-08-2021

Dated: 02-08-2021

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	0.664	4	0.498	0.20	0.195	6.09	8.38	67110	68830	92400	94770	1.20	8.0	15.0	
2	0.667	4	0.500	0.20	0.196	5.78	8.33	63740	65040	91840	93710	1.30	8.0	16.3	
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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

Brig Saeed Ahmed Malik SI(M)
Resident Engineer, NESPAK (Pvt) Ltd. Lahore

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

Client Reference: 4084/BSAM/104/474

SOM Lab Ref: 4741(Page-1/1)

Dated: 10-07-2021

Dated: 02-08-2021

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	0.658	4	0.496	0.20	0.193	5.17	7.54	56990	59060	83180	86200	1.50	8.0	18.8	
2	0.669	4	0.501	0.20	0.197	5.17	7.51	56990	57860	82850	84110	1.70	8.0	21.3	
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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

Wasim Abbas

Test Performed By:

Dr. /Engr. S. Asad Ali Gillani

Resident Engineer, NESPAK (Pvt) Ltd., Jhall Road Flyover, Sahiwal

Client Reference: 4116/SED/Sahiwal/wa/2021/01

SOM Lab Ref: 4742(Page-1/1)

Dated: 02-08-2021

Dated: 02-08-2021

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	3.393	9	1.127	1.00	0.997	27.65	40.06	60970	61160	88350	88620	1.50	8.0	18.8	
2	3.407	9	1.129	1.00	1.001	28.64	40.67	63180	63110	89700	89610	1.30	8.0	16.3	
3	2.712	8	1.007	0.79	0.797	24.94	33.08	69640	69030	92350	91540	1.40	8.0	17.5	
4	2.762	8	1.017	0.79	0.812	24.72	32.95	69010	67140	91980	89490	1.50	8.0	18.8	
5	1.506	6	0.751	0.44	0.443	14.78	20.25	74090	73590	101530	100840	1.30	8.0	16.3	
6	1.510	6	0.752	0.44	0.444	14.48	20.03	72560	71900	100400	99500	1.10	8.0	13.8	
7	0.732	4	0.523	0.20	0.215	6.73	8.94	74190	69020	98580	91710	1.30	8.0	16.3	
8	0.739	4	0.526	0.20	0.217	6.80	9.04	74980	69110	99710	91900	1.20	8.0	15.0	
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BEND TEST:

# 9	Sample bend through 180 degrees Satisfactorily without any crack	Note:- Only Twelve Samples Received and Tested
# 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: Please always confirm the results of above report on web www.uet-civil.edu.pk