

Jawad Javaid
Sr Engineer, Pakistan Radiation Services, Lahore

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

Client Reference: nil
SOM Lab Ref: CED/SOM/3928(Page-1/1)
Test: Tension Test & Bend Test
Sample Type: Deformed Bar

Dated: 26-02-2021
Dated: 26-02-2021
Test Specification: ASTM-A 615
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	3.877	25	25.08	491	494	241.00	342.00	491	488	697	693	40.0	200	20.0	
2	3.887	25	25.11	491	495	242.70	346.00	494	491	705	699	30.0	200	15.0	
3	3.851	25	24.99	491	491	228.70	320.50	466	467	653	654	25.0	200	12.5	
4	3.809	25	24.86	491	485	234.50	331.70	478	484	676	684	32.5	200	16.3	
5	2.503	20	20.15	314	319	163.00	217.00	519	512	691	681	27.5	200	13.8	
6	2.517	20	20.20	314	321	145.50	204.50	463	454	651	638	30.0	200	15.0	
7	1.557	16	15.89	201	198	97.20	139.00	483	491	691	701	32.5	200	16.3	
8	1.555	16	15.88	201	198	99.70	139.70	496	504	695	706	32.5	200	16.3	
9	0.884	12	11.97	113	113	52.70	79.70	466	469	705	708	32.5	200	16.3	
10	0.885	12	11.98	113	113	53.20	80.20	470	472	709	712	27.5	200	13.8	

BEND TEST:

25mm	Sample bend through 180 degrees Satisfactorily without any crack	Note:- Only Fifteen Samples Received and Tested
25mm	Sample bend through 180 degrees Satisfactorily without any crack	
20mm	Sample bend through 180 degrees Satisfactorily without any crack	
1mm	Sample bend through 180 degrees Satisfactorily without any crack	
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

Khalid Mahmood

Resident Engineer, NESPAK JV Turk Pak Resident Const. Supervision for Establishment of D. G. Khan (M/s ZKB)

Test Performed By:

Dr. /Engr.

Nauman
Khurram

Client Reference: 4161/RE/SFMKB/DGK/231

SOM Lab Ref: 3926(Page-1/1)

Dated: 22-02-2021

Dated: 26-02-2021

Test: Tension Test & Bend Test

Test Specification:

ASTM-A-615

Gauge Length: 8 inch

Sample Type:

Deformed Bar(PKSupreme 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	1.587	6	0.770	0.44	0.466	15.14	21.20	75880	71640	106280	100350	1.40	8.0	17.5	
2	1.594	6	0.772	0.44	0.468	15.60	21.87	78180	73500	109600	103040	1.30	8.0	16.3	
3	0.663	4	0.498	0.20	0.195	6.14	8.33	67670	69410	91840	94190	1.10	8.0	13.8	
4	0.663	4	0.498	0.20	0.195	6.19	8.33	68230	69980	91840	94190	1.10	8.0	13.8	
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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

Engr. Naveed Sadiq
Resident Engineer, Orbit Housing, Lahore

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

Client Reference: Nil

SOM Lab 3927(Page-

Ref: 1/1)

Dated: 25-02-2021

Dated: 26-02-2021

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	2.727	8	1.010	0.79	0.801	28.70	36.90	80110	79010	103020	101600	1.30	8.0	16.3	
2	2.644	8	0.995	0.79	0.777	26.96	34.12	75270	76530	95250	96840	1.30	8.0	16.3	
3	1.517	6	0.754	0.44	0.446	14.88	19.42	74600	73600	97340	96030	1.50	8.0	18.8	
4	1.501	6	0.749	0.44	0.441	15.92	20.74	79810	79630	103980	103740	1.40	8.0	17.5	
5	0.661	4	0.497	0.20	0.194	7.97	9.43	87910	90620	103980	107190	1.00	8.0	12.5	
6	0.698	4	0.511	0.20	0.205	8.15	9.96	89930	87740	109820	107150	1.00	8.0	12.5	
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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