

Minhaj Khizar,
Sr. Civil Engineer Style Textile.(Const Of the Container Compound at SAP)

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

Client Reference: Nil
SOM Lab Ref: CED/SOM/404(Page-1/1)
Test: Tension Test & Bend Test
Sample Type: M S Deformed Bar

Dated: 19-12-2024
Dated: 19-12-2024
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	2.436	20	19.87	314	310	180.00	211.70	573	581	674	683	32.5	200	16.3	
2	2.408	20	19.76	314	307	181.00	213.70	576	591	680	697	35.0	200	17.5	
3	2.428	20	19.85	314	309	180.00	212.50	573	582	676	687	30.0	200	15.0	
4	2.426	20	19.84	314	309	181.50	212.70	578	588	677	689	35.0	100	35.0	
5	0.879	12	11.94	113	112	64.70	80.20	572	578	709	716	25.0	200	12.5	
6	0.964	12	12.50	113	123	65.20	80.70	576	532	714	658	27.5	200	13.8	
7	0.911	12	12.15	113	116	60.20	76.50	532	519	676	660	30.0	200	15.0	
8	0.912	12	12.17	113	116	60.50	76.50	535	521	676	659	25.0	200	12.5	
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BEND TEST:

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

Kingri Musa Khail, RE
JERS Consultancy (Pvt) Ltd.

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

Client Reference: 458-JO4-RE/26

Dated: 13-12-2024

Test: Tension Test & Bend Test

Gauge Length: 8 inch

SOM Lab

Ref: 405 (Page-1/1)

Dated: 19-12-2024

ASTM-A-615

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	in²	in²	Tons	Tons	psi	psi	psi	psi	in	in	%	
1	2.603	8	0.987	0.79	0.765	27.01	34.86	75420	77880	97330	100510	1.50	8.0	18.8	
2	1.484	6	0.745	0.44	0.436	14.02	18.65	70260	70900	93510	94360	1.40	8.0	17.5	
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BEND TEST:

# 8	Sample bend through 180 degrees Satisfactorily without any crack	Note:- Only Four Samples Received and Tested
# 6	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.M.Bilawal Mehmood
RE ECSP Jhang.(Development of Model Cattle Market , Jhang)

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

Client Reference: ECSP/CMJ/RE/12
Dated: 02-12-2024
Test: Tension Test & Bend Test
Gauge Length: 8 inch

SOM Lab
Ref: 410 (Page-1/1)
Dated: 19-12-2024
ASTM-A-615
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	1.499	6	0.749	0.44	0.441	13.76	19.42	68980	68820	97340	97120	1.20	8.0	15.0	
2	1.498	6	0.748	0.44	0.440	14.14	19.67	70870	70870	98610	98610	1.30	8.0	16.3	
3	0.666	4	0.500	0.20	0.196	6.27	8.94	69130	70540	98580	100600	1.20	8.0	15.0	
4	0.669	4	0.501	0.20	0.197	6.42	9.09	70820	71900	100270	101800	1.00	8.0	12.5	
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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		