

Malik Sohaib

Test Performed By:

Dr. /Engr.

M. Irfan UI Hassan

Lab -Technician, Transtech Engineering Corporation, Haveli Bahadar Shah, Jhang,

Client Reference: TEC/UET/20050901

Dated: Nil

SOM Lab Ref: CED/SOM/2614(Page-2/2)

Dated: 22-06-2020

Test: Tension Test & Bend Test

Test Specification: ASTM-A 615

Sample Type: Deformed Bar (City Steel)

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	3.848	25	24.98	491	490	267.50	332.00	545	546	676	678	32.5	200	16.3	311
2	3.816	25	24.88	491	486	266.00	329.80	542	548	672	679	30.0	200	15.0	311
3	1.556	16	15.89	201	198	110.20	137.20	548	556	682	692	25.0	200	12.5	663
4	1.547	16	15.84	201	197	112.00	132.00	557	569	657	670	25.0	200	12.5	663
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-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
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BEND TEST:

25mm	Sample bend through 180 degrees Satisfactorily without any crack	Note:- Only Six Samples Received and Tested
16mm	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

Malik Sohaib

Test Performed By:

Dr. /Engr.

M. Irfan UI Hassan

Lab -Technician, Transtech Engineering Corporation, Haveli Bahadar Shah, Jhang,

Client Reference: TEC/UET/20051402

Dated:

Nil

SOM Lab Ref: CED/SOM/2614(Page-1/2)

Dated:

22-06-2020

Test: Tension Test & Bend Test

Test Specification:

ASTM-A 615

Sample Type: Deformed Bar (City Steel)

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	3.832	25	24.93	491	488	245.00	329.00	499	503	670	675	27.5	200	13.8	13A
2	3.818	25	24.89	491	486	248.00	340.70	505	510	694	701	30.0	200	15.0	13A
3	1.576	16	15.99	201	201	98.00	136.00	487	489	676	678	25.0	200	12.5	AM69
4	1.603	16	16.13	201	204	99.20	137.20	493	486	682	672	25.0	200	12.5	AM69
5	0.977	12	12.59	113	124	62.00	88.70	548	499	784	713	25.0	200	12.5	12
6	0.982	12	12.62	113	125	63.20	88.50	559	506	783	708	25.0	200	12.5	12
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-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

BEND TEST:

25mm	Sample bend through 180 degrees Satisfactorily without any crack	Note:- Only Nine Samples Received and Tested
16mm	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