

Engr. Tajammal Farooq
Resident Engineer, (AZEA) QABP - Sheikhpura

Test Performed By: Dr. /Engr. Wasim Abbas

Client Reference: RE/AZEA/MPC-115

SOM Lab

Ref: 5161 (Page-1/1)

Dated: 16-10-2021

Dated: 18-10-2021

Test: Tension Test & Bend Test

Test Specification: ASTM-A-615

Deformed

Gauge Length: 8 inch

Sample Type: 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	2.675	8	1.000	0.79	0.786	28.03	35.58	78260	78660	99320	99820	1.30	8.0	16.3	
2	2.626	8	0.991	0.79	0.772	28.49	35.32	79540	81400	98610	100910	1.10	8.0	13.8	
3	0.635	4	0.488	0.20	0.187	6.37	7.97	70260	75140	87910	94020	1.00	8.0	12.5	
4	0.653	4	0.494	0.20	0.192	6.34	8.18	69920	72830	90150	93910	1.00	8.0	12.5	
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BEND TEST:

# 8	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

Mohsin Ali
Senior Site Engineer, AF Builders, Lahore

Test Performed By: Dr. /Engr. M. Rehan Ashraf

Client Reference: Nil

SOM Lab

Ref: 5162(Page-1/2)

Dated: 15-10-2021

Dated: 18-10-2021

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	1.508	6	0.751	0.44	0.443	15.80	20.80	79200	78660	104230	103530	1.20	8.0	15.0	
2	1.509	6	0.751	0.44	0.443	15.65	20.44	78430	77900	102450	101750	1.40	8.0	17.5	
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BEND TEST:

# 6	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

Mohsin Ali
Senior Site Engineer, AF Builders, Lahore

Test Performed By: Dr. /Engr. M. Rehan Ashraf

Client Reference: Nil

SOM Lab

Ref: 5162(Page-2/2)

Dated: 15-10-2021

Dated: 18-10-2021

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	0.672	4	0.501	0.20	0.197	7.75	8.97	85430	86730	98920	100430	1.20	8.0	15.0	
2	0.671	4	0.501	0.20	0.197	6.42	8.36	70820	71900	92180	93580	0.90	8.0	11.3	
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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

Syed Yasir Ali
Resident Engineer, CM Div., Nespak (Pvt.) Ltd. Lahore

Test Performed By: Dr. /Engr. M. Rehan Ashraf

Client Reference: 4314/13/SYA/Steel/04

SOM Lab

Ref: 5163(Page-1/1)

Dated: 16-10-2021

Dated: 18-10-2021

Test: Tension Test & Bend Test

Test Specification:

ASTM-A-615

Gauge Length: 8 inch

Sample Type:

Deformed Bar (M/s Kamran)

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	2.657	8	0.997	0.79	0.781	25.79	34.76	72000	72830	97040	98160	1.00	8.0	12.5	
2	2.710	8	1.007	0.79	0.796	25.69	34.02	71720	71180	94970	94250	1.30	8.0	16.3	
3	1.478	6	0.743	0.44	0.434	12.92	18.14	64740	65630	90950	92210	1.40	8.0	17.5	
4	1.493	6	0.748	0.44	0.439	12.10	17.60	60650	60790	88240	88440	1.30	8.0	16.3	
5	0.674	4	0.502	0.20	0.198	6.19	8.15	68230	68920	89930	90840	1.50	8.0	18.8	
6	0.658	4	0.496	0.20	0.193	6.07	8.15	66890	69310	89930	93190	1.30	8.0	16.3	
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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

Major Nadeem ur Rehman Khakwani
(Retd)

**Test Performed
By:**

Dr. /Engr. S. Asad Ali
Gillani

ACES Pvt. Ltd., HRL Camp Office, Sector-I DHA Multan (M/s HRL Pvt. Ltd.)

Client Reference: RE/Sec-I&G/Test/27

SOM Lab

Ref: 5164(Page-1/1)

Dated: 14-10-2021

Dated: 18-10-2021

Test: Tension Test & Bend Test

Test Specification: ASTM-A-615

Deformed

Gauge Length: 8 inch

Sample Type:

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	2.657	8	0.997	0.79	0.781	26.47	33.10	73910	74760	92400	93470	1.40	8.0	17.5	
2	2.642	8	0.994	0.79	0.776	26.35	33.00	73570	74890	92120	93780	1.30	8.0	16.3	
3	1.458	6	0.738	0.44	0.428	14.48	18.17	72560	74590	91050	93610	1.10	8.0	13.8	
4	1.460	6	0.739	0.44	0.429	14.80	18.65	74190	76090	93510	95900	1.20	8.0	15.0	
5	1.043	5	0.625	0.31	0.307	9.55	12.69	67960	68620	90290	91170	1.30	8.0	16.3	
6	1.047	5	0.626	0.31	0.308	9.58	12.81	68170	68620	91160	91750	1.30	8.0	16.3	
7	0.672	4	0.501	0.20	0.197	6.80	8.56	74980	76120	94420	95860	1.10	8.0	13.8	
8	0.671	4	0.501	0.20	0.197	7.39	9.02	81500	82740	99480	101000	1.00	8.0	12.5	
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BEND TEST:

# 8	Sample bend through 180 degrees Satisfactorily without any crack	Note:- Only Twelve Samples Received and Tested
# 6	Sample bend through 180 degrees Satisfactorily without any crack	
# 5	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

Furqan Noshad

Test Performed By:

Dr. /Engr.

S. Asad Ali Gillani

Project Manager, CM Engineering Pvt. Ltd., CMPAK Project Site ID: 52917, 53221, 52120, 52992, 53195, 53153, 53249

Client Reference: CME/Steel/CMPAK/309

SOM Lab

Ref:

5165(Page-1/1)

Dated: 18-10-2021

Dated:

18-10-2021

Test: Tension Test & Bend Test

Test Specification:

ASTM-A 615

Guage Length: 200 mm

Sample Type:

M S 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)				
	kg/m	mm	mm	mm ²	mm ²	kN	kN	MPa	MPa	MPa	MPa	mm	mm	%	
1	4.187	25	26.05	491	533	301.00	370.00	613	565	754	695	27.5	200	13.8	
2	4.122	25	25.86	491	525	303.00	376.20	617	577	766	717	25.0	200	12.5	
3	2.255	20	19.13	314	287	151.20	192.00	482	527	611	669	32.5	200	16.3	
4	2.170	20	18.76	314	276	120.70	181.70	384	437	579	658	37.5	200	18.8	
5	1.588	16	16.05	201	202	117.00	145.00	582	579	721	717	32.5	200	16.3	
6	1.564	16	15.93	201	199	82.20	122.70	409	413	610	616	35.0	200	17.5	
7	1.045	12	13.02	113	133	66.70	91.70	590	502	812	690	27.5	200	13.8	
8	0.988	12	12.66	113	126	66.00	91.00	584	525	805	724	30.0	200	15.0	
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BEND TEST:

25mm	Sample bend through 180 degrees Satisfactorily without any crack	<p>Note:-</p> <p>Only Twelve Samples Received and Tested</p>
20mm	Sample bend through 180 degrees Satisfactorily without any crack	
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

