

Engr. Muhammad Javed

Test Performed By:

Dr. /Engr. S. Asad Ali Gillani

Resident Engineer, Rizwan Nazir Consulting Engineers Pvt. Ltd.(House # 233 Sector-Z DHA Ph-3 Lahore

Client Reference: RNEC/H-233/DHA/20/02

SOM Lab Ref: 2303(Page-1/1)

Dated: 25-02-2020

Dated: 25-02-2020

Test: Tension 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	1.479	6	0.744	0.44	0.435	16.11	19.95	80730	81660	99990	101140	1.40	8.0	17.5	
2	1.497	6	0.748	0.44	0.440	16.23	20.03	81340	81340	100400	100400	1.30	8.0	16.3	
3	0.653	4	0.494	0.20	0.192	6.22	7.56	68570	71430	83410	86880	1.50	8.0	18.8	
4	0.651	4	0.493	0.20	0.191	6.19	7.51	68230	71450	82850	86750	1.40	8.0	17.5	
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BEND TEST:

--	No Bend test performed	Note:- Only Four Samples Received and Tested

Note: Please always confirm the results of above report on web www.uet-civil.edu.pk

Majid Aziz
Material Enginee, NESPAK (Pvt) Ltd. Islamabad

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

Client Reference: 36264/103/JH/041

SOM Lab

Ref: 2305(Page-1/1)

Dated: 15-02-2020

Dated: 25-02-2020

Test: Tension Test & Bend Test

Test Specification:

ASTM-A-615

Gauge Length: 8 inch

Sample Type:

Deformed Bar (Al -Moeez)

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	3.389	9	1.126	1.00	0.996	29.99	42.83	66140	66410	94470	94850	1.60	8.0	20.0	
2	3.387	9	1.126	1.00	0.995	30.07	42.83	66320	66660	94470	94940	1.60	8.0	20.0	
3	2.649	8	0.995	0.79	0.778	29.97	36.60	83670	84960	102170	103740	1.30	8.0	16.3	
4	2.691	8	1.004	0.79	0.791	28.31	35.55	79030	78930	99230	99110	1.20	8.0	15.0	
5	0.652	4	0.494	0.20	0.192	6.98	8.74	77000	80210	96340	100350	1.20	8.0	15.0	
6	0.662	4	0.498	0.20	0.195	7.10	8.84	78350	80360	97460	99960	1.20	8.0	15.0	
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BEND TEST:

# 9	Sample bend through 180 degrees Satisfactorily without any crack	Note:- Only Nine Samples Received and Tested
# 8	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