Test Performed By: Dr Asad Ali Gillani

Mehwish Rana Material Engineer (DHA Lab), Defence Housing Authority Multan (Infrastructure Work of MC-05)(M/S South Asia Engineering Corporation)

Client Reference: 701/13/Lab/025/DHA Dated: 22-05-2025 SOM Laboratory Reference: CED/SOM/1267(Page-1/1) Dated: 22-05-2025

Test: Compressive Strength Tests

Sample Type: Cat Eyes (White & Yellow) (Brand 3M)

Test Results

Sr. No.	Sample Type	Bottom Dimensions (mm)	Top Dimensions (mm)	Thickness (mm)	Inclination (Degree)	Compression Load (Kg)
1	Cat Eyes	101.6 x 89.2	70.8 x 44.4	15.2	29.16°	13221
2	(White)	101.6 x 89.1	70.7 x 44.4	15.2	29.21°	14781
3		101.8 x 89.2	70.8 x 44.4	15.2	29.35°	14526
4	Cat Eyes	101.8 x 89.2	70.7 x 44.5	15.9	30.75°	11131
5	(Yellow)	101.8 x 89.1	70.7 x 44.5	15.9	30.94°	10520
6		101.8 x 89.1	70.7 x 44.5	15.9	30.81°	13150

Sub Divisional officer, Test Performed By: Dr. /Engr. Asad Ali Gillani

Shergarh Sub Div Shergarh.(Concrete Lining Of Lower Dhallu Disty)

SOM Lab

Client Reference: Ref: 1263 (Page-1/1) <u>81</u> Dated: 22-05-2025 Dated: 19-03-2025

Tension Test & Bend Test Test: **Test Specification:** ASTM-A-615 Gauge Length: 8 inch Sample Type: **Deformed Bar**

		D	ia.	Α	rea	Yield	Ultimate	Yield	Stress	Ult. S	tress			L	
S.No.	Weight	Nominal	Calculated	Nominal	Calculated	Load	Load	(according to nominal area)	(according to measured area)	(according to nominal area)	(according to measured area)	Elongation	Gauge Length	%age Elongation	Remarks
	lb/ft	#	in	in ²	in ²	Tons	Tons	psi	psi	psi	psi	in	in	%	
1	0.505	4	0.434	0.20	0.148	4.00	6.14	44070	59550	67670	91450	1.00	8.0	12.5	
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BEND T	EST:										
# 4	Sample bend through 180 degrees Satisfactorily without any crack	Note:-									
Only Two Sar											
		Received and Tested									
Note: Ple	ase always confirm the results of above report on web www.uet-civil.edu.pk										

Muhammad Azmat, RE Test Performed By: Dr. /Engr. Nauman Khurram

NESPAK-Turkpak JV Lhr.(Reconstruction of Lady Willingdon Hospital, Lahore)

SOM Lab

 Client Reference:
 4729/13/MA/04/275
 Ref:
 1264 (Page-1/1)

 Dated:
 21-05-2025
 Dated:
 22-05-2025

Dated:21-05-2025Dated:22-05Test:Tension Test & Bend TestTest Specification:ASTM-A-615

Gauge Length: 8 inch Sample Type: Deformed Bar (AF Steel)

		D	ia.	А	rea	Yield	Ultimate	Yield	Stress	Ult. S	Stress			_	
S.No.	Weight	Nominal	Calculated	Nominal	Calculated	Load	Load	(according to nominal area)	(according to measured area)	(according to nominal area)	(according to measured area)	Elongation	Gauge Length	%age Elongation	Remarks
	lb/ft	#	in	in ²	in ²	Tons	Tons	psi	psi	psi	psi	in	in	%	
1	1.483	6	0.745	0.44	0.436	13.22	20.00	66270	66880	100250	101170	1.20	8.0	15.0	
2	1.487	6	0.746	0.44	0.437	13.10	19.75	65660	66110	98970	99650	1.10	8.0	13.8	
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BE	ND TE	ST:													
:	# 6	Samp	le bend	through	n 180 de	grees Sa	atisfactorily	without a	ny crack		Note:	-			

6 Sample bend through 180 degrees Satisfactorily without any crack Only Three Samples Received and Tested Note: Please always confirm the results of above report on web www.uet-civil.edu.pk

Municipal Officer (I) Test Performed By: Dr. /Engr. Ubaid Mughal Municipal Corporation Sahiwal.(Strom Water Channel Jogi Chowk Towards LBDC M.C Sahiwal)

SOM Lab

 Client Reference:
 3522/MO(I)/MC/SWL
 Ref:
 1265 (Page-1/2)

 Pated:
 45.04.2035
 Pated:
 22.05.2035

Dated: 15-04-2025 **Dated:** 22-05-2025

Test:Tension Test & Bend TestTest Specification:ASTM-A-615Gauge Length:8 inchSample Type:Deformed Bar

		D	ia.	A	rea	Yield	Ultimate	Yield	Stress	Ult. S	tress			'n	
S.No.	Weight	Nominal	Calculated	Nominal	Calculated	Load	Load	(according to nominal area)	(according to measured area)	(according to nominal area)	(according to measured area)	Elongation	Gauge Length	%age Elongation	Remarks
	lb/ft	#	in	in ²	in ²	Tons	Tons	psi	psi	psi	psi	in	in	%	
1	0.660	4	0.497	0.20	0.194	6.57	8.77	72510	74750	96670	99660	0.90	8.0	11.3	
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BEND TEST:

# 4	Sample bend through 180 degrees Satisfactorily without any crack	Note:-
		Only Two Samples
		Received and Tested

Municipal Officer (I) Test Performed By: Dr. /Engr. Ubaid Mughal Municipal Corporation Sahiwal.(Rehb Of Pakpattan Bazar From Depalpur Bazar to Jinaah M.C Swl)

SOM Lab

 Client Reference:
 3512/MO(I)/MC/SWL
 Ref:
 1265 (Page-2/2)

 Dated:
 09-04-2025
 Dated:
 22-05-2025

Test:Tension Test & Bend TestTest Specification:ASTM-A-615Gauge Length:8 inchSample Type:Deformed Bar

		D	ia.	А	rea	Yield	Ultimate	Yield	Stress	Ult. S	stress			_	
S.No.	Weight	Nominal	Calculated	Nominal	Calculated	Load	Load	(according to nominal area)	(according to measured area)	(according to nominal area)	(according to measured area)	Elongation	Gauge Length	%age Elongation	Remarks
	lb/ft	#	in	in ²	in ²	Tons	Tons	psi	psi	psi	psi	in	in	%	
1	0.663	4	0.498	0.20	0.195	6.57	8.97	72510	74360	98920	101460	0.90	8.0	11.3	
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BEND TEST:

# 4	Sample bend through 180 degrees Satisfactorily without any crack	Note:-
		Out o Tree Orange
		Only Two Samples Received and Tested

Sub Divisional Officer **Test Performed By:** Dr. /Engr. Ubaid Mughal PHE Sub Div Chichawatni.(R.O Water Filtration Plants With S/System at Chak No.152,155,160/9-L)

SOM Lab

Only Two Samples Received and Tested

 Client Reference:
 107

 Pated:
 07-05-2025

 Ref:
 1266 (Page-1/1)

 Dated:
 22-05-2025

Test:Tension Test & Bend TestTest Specification:ASTM-A-615Gauge Length:8 inchSample Type:Deformed Bar

		D	ia.	А	rea	Yield	Ultimate	Yield	Stress	Ult. S	Stress			Ē	
S.No.	Weight	Nominal	Calculated	Nominal	Calculated	Load	Load	(according to nominal area)	(according to measured area)	(according to nominal area)	(according to measured area)	Elongation	Gauge Length	%age Elongation	Remarks
	lb/ft	#	in	in ²	in ²	Tons	Tons	psi	psi	psi	psi	in	in	%	
1	0.663	4	0.498	0.20	0.195	6.80	9.12	74980	76900	100610	103190	1.00	8.0	12.5	
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BE	ND TE	ST:													
	# 4	Samp	le bend	through	n 180 de	grees Sa	atisfactorily	without a	ny crack		Note:	•			

Engr. Rashid Test Performed By: Dr. /Engr. Ubaid Mughal

Site Engineer Husnain Builders Lahore.(Lahore Grammar School Johar Town Society Lahore)

SOM Lab

 Client Reference:
 Nil
 Ref:
 1268 (Page-1/1)

 Dated:
 22-05-2025
 Dated:
 22-05-2025

Test:Tension Test & Bend TestTest Specification:ASTM-A-615Gauge Length:8 inchSample Type:Deformed Bar

		D	ia.	Α	rea	Yield	Ultimate	Yield	Stress	Ult. S	stress			п	
S.No.	Weight	Nominal	Calculated	Nominal	Calculated	Load	Load	(according to nominal area)	(according to measured area)	(according to nominal area)	(according to measured area)	Elongation	Gauge Length	%age Elongation	Remarks
	lb/ft	#	in	in ²	in ²	Tons	Tons	psi	psi	psi	psi	in	in	%	
1	2.649	8	0.995	0.79	0.778	24.74	34.27	69070	70140	95680	97150	1.50	8.0	18.8	
2	2.647	8	0.995	0.79	0.778	24.36	34.05	68020	69070	95050	96520	1.60	8.0	20.0	
3	1.502	6	0.749	0.44	0.441	13.53	21.46	67810	67650	107560	107310	1.20	8.0	15.0	
4	1.472	6	0.743	0.44	0.433	13.25	21.05	66430	67500	105510	107220	1.30	8.0	16.3	
5	0.661	4	0.497	0.20	0.194	6.07	8.48	66890	68950	93530	96420	1.40	8.0	17.5	
6	0.661	4	0.497	0.20	0.194	6.07	8.43	66890	68950	92960	95840	1.00	8.0	12.5	
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BEND TEST:

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

Rana Muhammad Haris, CME **Test Performed By:** Dr. /Engr. Nauman Khurram

RHC Pvt Ltd.(17 Centers of Excellences in Existing TEVTA & PVTC Institutes in Punjab Province)

SOM Lab

Client Reference: RHC/134-TEVTA-2404/RMH/01/32 Ref: 1270 (Page-1/1) Dated: 22-05-2025

Dated: 22-05-2025

Tension Test & Bend Test

Test:

Test Specification: ASTM-A-615

8 inch Sample Type: Deformed Bar (Hunza Steel) Gauge Length:

		D	ia.	Α	rea	Yield	Ultimate	Yield	Stress	Ult. S	tress			u	
S.No.	Weight	Nominal	Calculated	Nominal	Calculated	Load	Load	(according to nominal area)	(according to measured area)	(according to nominal area)	(according to measured area)	Elongation	Gauge Length	%age Elongation	Remarks
	lb/ft	#	in	in ²	in ²	Tons	Tons	psi	psi	psi	psi	in	in	%	
1	2.582	8	0.983	0.79	0.759	21.66	30.70	60480	62950	85720	89220	1.30	8.0	16.3	
2	2.573	8	0.981	0.79	0.756	22.04	30.96	61530	64300	86430	90320	1.80	8.0	22.5	
3	1.523	6	0.755	0.44	0.448	13.35	18.40	66940	65740	92230	90580	1.60	8.0	20.0	
4	1.524	6	0.755	0.44	0.448	14.12	18.83	70770	69510	94370	92690	1.60	8.0	20.0	
5	0.585	4	0.468	0.20	0.172	5.52	7.41	60930	70850	81720	95030	1.20	8.0	15.0	
6	0.584	4	0.468	0.20	0.172	5.37	7.31	59240	68890	80600	93720	1.20	8.0	15.0	
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BEND TEST:

		
# 8	Sample bend through 180 degrees Satisfactorily without any crack	Note:-
# 6	Sample bend through 180 degrees Satisfactorily without any crack	
# 4	Sample bend through 180 degrees Satisfactorily without any crack	Only Nine Samples
		Received and Tested
Note: Pleas	se always confirm the results of above report on web www.uet-civil.edu.pk	·