Test Performed by: Dr. S. Asad Ali Gillani

Engr Barkat Leghari,

Structural and Design Engr PMBMC

Punjab Model Bazaars Management Company Lahore

(Construction of Model Bazaar Bhalwal)

Client Reference No.: PMBMC/SE/MBB/01 Dated: 17-02-2025 SOM Lab Ref: CED/SOM/818 (Page-1/2) Dated: 21-02-2025

Test Type: Hardness Test

Hardness Test Details:

Machine used: Avery Rockwell Hardness Testing Machines (Minor Load: 10 Kgf Major Load: 140.0 kgf Scale: C)

Hardness Test Results

Sample No.	Sample Type	Hardness avg
1	GI Purlins	HR – 56.83– C

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

Test Performed by: Dr. S. Asad Ali Gillani

Engr Barkat Leghari,

Structural and Design Engr PMBMC

Punjab Model Bazaars Management Company Lahore

(Construction of Model Bazaar Bhalwal)

Client Reference No.: PMBMC/SE/MBB/01 Dated: 17-02-2025 SOM Lab Ref: CED/SOM/818 (Page-2/2) Dated: 21-02-2025

Test Type: Hardness Test Sample Type: Steel Columns and rafters

Hardness Test Details:

Machine used: Avery Rockwell Hardness Testing Machines (Minor Load: 10 Kgf Major Load: 90.0 kgf Scale: B)

Hardness Test Results

Sample No.	Sample Thickness	Hardness avg
1	8mm	HR – 70.5– B
2	6mm	HR – 76.3 B

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

Sub Divisional Officer **Test Performed By:** Dr. /Engr. Irfan Ul Hassan BSD No.2 Multan.(Provision of Correctional Facilties Revamping Program One at Central Jail Multan)

SOM Lab

 Client Reference:
 1045

 Ref:
 817 (Page-1/1)

 Dated:
 10-02-2025

 Dated:
 21-02-2025

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

		Dia. Area		Dia. Area 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	1.494	6	0.748	0.44	0.439	12.97	20.29	65000	65140	101680	101910	1.40	8.0	17.5	
2	0.659	4	0.497	0.20	0.194	6.07	9.04	66890	68950	99710	102790	1.20	8.0	15.0	
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BE	BEND TEST:														
	# 6	Sample bend through 180 degrees Satisfactorily without any crack							Note:-						
	# 4	4 Sample bend through 180 degrees Satisfactorily without any crack													
										O-1. F	- ,	-			

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

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

Construction Group.(Plasco PVC Pipes Industries) **SOM Lab Client Reference:** 819 (Page-1/1) 21/2-02025 Ref: 21-02-2025 Dated: Dated: 21-02-2025 Test: Tension Test & Bend Test **Test Specification: ASTM-A-615 Gauge Length:** 8 inch Sample Type: Deformed Bar (Islamabad Supreme) Dia. Yield Ultimate Yield Stress Ult. Stress Area Elongation Load Load Gauge Length (according to nominal area) (according to nominal area) (according to measured area) (according to measured area) Elongation Remarks Weight Calculated Calculated 9 Nominal Nominal %age F lb/ft # in^2 in² Tons Tons % in psi in in psi psi psi 1.365 0.715 0.44 0.401 11.16 18.47 61390 92590 101590 1 6 55950 1.10 8.0 13.8 0.578 0.465 0.20 0.170 4.91 7.00 54180 63740 77230 90850 1.20 15.0 _ _ _ _ _ -_ _ -_ _ _ _ _ _ _ _ **BEND TEST:** No Bend test performed Note:-Only Two Samples Received and Tested

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

Test Performed By:

Dr. /Engr.

Irfan Ul Hassan

Architectural

Khadim Hussain Test Performed By: Dr. /Engr. Irfan Ul Hassan

VD Cision Consult Lahore.(83-E-1 Commercial Building Gulberg Lahore)

SOM Lab

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

 Dated:
 21-02-2025
 Dated:
 21-02-2025

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	2.626	8	0.991	0.79	0.772	29.05	35.42	81110	83000	98890	101200	1.40	8.0	17.5	
2	2.641	8	0.994	0.79	0.776	29.23	35.52	81590	83060	99180	100970	1.30	8.0	16.3	
3	1.468	6	0.741	0.44	0.431	16.36	18.91	82010	83720	94780	96760	1.10	8.0	13.8	
4	1.514	6	0.753	0.44	0.445	16.18	18.55	81090	80180	92990	91950	1.10	8.0	13.8	
5	0.663	4	0.498	0.20	0.195	7.26	8.18	80040	82090	90150	92460	1.00	8.0	12.5	
6	0.654	4	0.494	0.20	0.192	7.21	8.15	79470	82790	89930	93680	1.10	8.0	13.8	
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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: Please always confirm the results of above report on web www.uet-civil.edu.pk