

Sr. Assistant Manager Deptt Of Procurement Pioneer Cement Lahore.

Dr. /Engr.

Asad Ali Gillani

Dated: 05-03-2025

Dated: 06-03-2025

Test Specification: ASTM-A 615

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	2.445	20	19.90	314	311	152.70	209.50	486	491	667	674	35.0	200	17.5	AB 600
2	2.440	20	19.90	314	311	157.70	211.20	502	508	672	680	37.5	200	18.8	AB 601
3	2.461	20	19.98	314	314	163.00	215.00	519	520	684	686	35.0	200	17.5	AB 602
4	2.443	20	19.91	314	311	166.00	216.00	528	534	688	694	35.0	200	17.5	AB 603
5	2.440	20	19.89	314	311	166.70	216.00	531	537	688	696	35.0	200	17.5	AB 604
6	2.439	20	19.89	314	311	162.20	213.20	516	523	679	687	40.0	200	20.0	AB 605
7	2.427	20	19.84	314	309	171.70	211.50	547	556	673	685	37.5	200	18.8	AB 606
8	2.434	20	19.87	314	310	157.70	211.50	502	509	673	683	37.5	200	18.8	AB 607
9	2.432	20	19.86	314	310	157.50	208.50	501	509	664	674	32.5	200	16.3	AB 608
10	2.442	20	19.90	314	311	153.50	209.70	489	494	667	674	37.5	200	18.8	AB 609
<u>BEND TEST:</u>															
--		No Bend test performed									Note:- Only Ten Samples Received and Tested				
Note: Please always confirm the results of above report on web www.uet-civil.edu.pk															

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--	No Bend test performed	Note:-
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--	No Bend test performed	Note:-
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Test Performed By: Dr. /Engr. Asad Ali Gillani

Client Reference: IBS/SGLF/PHU2
SOM Lab Ref: CED/SOM/895(Page-1/1)
Test: Tension Test & Bend Test
Sample Type: Deformed Bar

Dated: 06-03-2025
Dated: 06-03-2025
cation: ASTM-A 615
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	3.957	25	25.33	491	504	223.70	357.50	456	444	728	710	35.0	200	17.5	
2	2.307	16	19.35	201	294	141.50	210.50	704	482	1047	717	35.0	200	17.5	
3	0.990	12	12.68	113	126	59.50	88.50	526	472	783	702	32.5	200	16.3	
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<u>BEND TEST:</u>															
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													
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															

Sub Divisional officer,

Test Performed By:

Dr. /Engr.

Asad Ali Gillani

HSD Khushab.(Rehb/Widening/Impro Of Road Jauharabad City SGD Programme)

Client Reference: 193/KHB

Dated: 14-02-2025

Test: Tension Test & Bend Test

Gauge Length: 8 inch

SOM Lab

Ref: 890 (Page-1/1)

Dated: 06-03-2025

Test Specification:

ASTM-A-615

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	1.474	6	0.743	0.44	0.433	15.24	19.42	76390	77620	97340	98910	1.30	8.0	16.3	
2	1.480	6	0.744	0.44	0.435	15.16	19.42	75980	76850	97340	98460	1.40	8.0	17.5	
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<u>BEND TEST:</u>															
# 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															

Sub Divisional officer, **Test Performed By:** Dr. /Engr. Asad Ali Gillani
Public Health Engg: Sub Div Khushab.(Provision Of Sweet Water at Wildlife Park Jauharabad)

Client Reference: 31/KHB **SOM Lab**
Dated: 15-01-2025 **Ref:** 891 (Page-1/1)
Dated: 06-03-2025

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	0.667	4	0.500	0.20	0.196	6.44	8.77	71040	72490	96670	98650	1.30	8.0	16.3	
2	0.667	4	0.500	0.20	0.196	6.49	8.84	71610	73070	97460	99450	1.30	8.0	16.3	
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-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
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<u>BEND TEST:</u>															
--	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															

PM DSG Energy Lahore.(Const Of Office Building at 29-M QIE,Lahore)

Dr. /Engr. Nauman Khurram

SOM Lab

Ref: 892 (Page-1/1)

Test Specification:

ASTM-A-615

Sample Type:

Deformed Bar (Hunza Steel)

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	2.660	8	0.998	0.79	0.782	23.96	33.40	66880	67560	93260	94210	1.40	8.0	17.5	
2	2.650	8	0.996	0.79	0.779	24.08	33.25	67220	68170	92830	94140	1.60	8.0	20.0	
3	1.482	6	0.745	0.44	0.436	13.81	17.76	69240	69870	89010	89830	1.60	8.0	20.0	
4	1.475	6	0.743	0.44	0.433	13.73	17.74	68830	69940	88910	90340	1.50	8.0	18.8	
5	0.665	4	0.498	0.20	0.195	6.49	8.36	71610	73440	92180	94540	1.50	8.0	18.8	
6	0.663	4	0.498	0.20	0.195	6.60	8.43	72730	74600	92960	95350	1.40	8.0	17.5	
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<u>BEND TEST:</u>															
# 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															

