

Arfan Nazir

Test Performed By:

Dr. /Engr.

Asad Ali Gillani

Manager Civil, Nishat Mills Ltd. (Const of Fabric Godown Extension Unit 35 Lahore)

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Client Reference: NDF/FGST/001

SOM Lab Ref:

Dated: 13-12-2022

Dated:

15-12-2022

Test: Tension Test

Test Specification:

ASTM-A-615

Guage Length: 200 mm

Sample Type:

MS Def Bar (Kamran 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)				
	kg/m	mm	mm	mm ²	mm ²	kN	kN	MPa	MPa	MPa	MPa	mm	mm	%	
1	3.851	25	25.00	491	491	229.20	331.50	467	467	675	676	35.0	200	17.5	
2	3.851	25	24.99	491	491	229.00	331.70	466	467	676	677	37.5	200	18.8	
3	1.567	16	15.94	201	200	96.00	128.70	478	481	640	645	32.5	200	16.3	
4	1.570	16	15.96	201	200	94.20	128.00	469	472	637	641	32.5	200	16.3	
5	0.980	12	12.61	113	125	56.50	78.20	500	453	692	627	35.0	200	17.5	
6	0.997	12	12.71	113	127	56.60	79.00	501	446	699	623	32.5	200	16.3	
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BEND TEST:

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

