

Sajid Mahmood Qadri  
Resident Engineer (Sec-I), Finite CPM Joint Venture,

Test Performed By: Dr. /Engr.

S. Asad Ali Gillani

Client Reference: FC/JV/JSR/2019/F-074  
SOM Lab Ref: CED/SOM/22723(Page-1/1)  
Test: Tension Test & Bend Test  
Sample Type: Deformed Bar

Dated: 07-07-2020  
Dated: 14-07-2020  
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 <sup>2</sup>	mm <sup>2</sup>	kN	kN	MPa	MPa	MPa	MPa	mm	mm	%	
1	3.895	25	25.13	491	496	261.70	344.50	533	528	702	695	37.5	200	18.8	
2	3.883	25	25.10	491	495	248.70	343.20	507	503	699	694	35.0	200	17.5	
3	2.855	22	21.52	380	364	159.20	241.20	419	438	635	664	32.5	200	16.3	
4	2.840	22	21.46	380	362	158.70	240.70	417	439	633	666	30.0	200	15.0	
5	2.281	20	19.23	314	291	155.00	197.20	493	534	628	679	27.5	200	13.8	
6	2.244	20	19.08	314	286	152.00	191.20	484	532	609	669	27.5	200	13.8	
7	1.616	16	16.19	201	206	118.70	145.70	590	577	725	708	27.5	200	13.8	
8	1.609	16	16.15	201	205	119.00	146.20	592	581	727	714	27.5	200	13.8	
9	0.989	12	12.66	113	126	75.20	91.70	665	598	811	729	22.5	200	11.3	
10	0.992	12	12.68	113	126	74.50	91.70	659	590	811	726	22.5	200	11.3	

**BEND TEST:**

25mm	Sample bend through 180 degrees Satisfactorily without any crack	<b>Note:- Only Fifteen Samples Received and Tested</b>
22mm	Sample bend through 180 degrees Satisfactorily without any crack	
20mm	Sample bend through 180 degrees Satisfactorily without any crack	
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](http://www.uet-civil.edu.pk)