

TEMBO TMX Batch Wise Data Sheet

DATE	5-Jan-26												
UNBS STANDARD US EAS 412-2: 2022													
UNBS STD	SIZE	LENGTH	12m Wt. (Min)	CHEMICAL COPPOSITION (Max) %					MECHANICAL PROPERTIES (N/MM ²)				
				C %	Si %	Mn %	P %	S %	YS (N/MM ²)	UTS (N/MM ²)	ELONG (%)	UTS/YS (Ratio)	
	8mm	12mtrs	4.46	0.22	0.60	1.60	0.050	0.050	>500	>575	>14%	>1.15	

TEMBO Actual Aggregate Values													
BATCH NO	SIZE	LENGTH	12m Wt.	CHEMICAL COMPOSITION %					MECHANICAL PROPERTIES N/MM ²				BEND TEST
				C %	Si %	Mn %	P %	S %	YS (N/MM ²)	UTS (N/MM ²)	ELONG (%)	UTS/YS (Ratio)	
3	8mm	12mtrs	4.57	0.16-0.20	0.21-0.25	0.65-0.75	0.033-0.043	0.017-0.027	530-590	630-690	16-21	>1.15	Ok
4	8mm	12mtrs	4.64	0.15-0.19	0.16-0.20	0.59-0.69	0.028-0.038	0.019-0.029	530-590	630-690	16-21	>1.15	Ok