

## Determinação do Módulo de Deformação Estática - Plano de Carga I - NBR 8522/2017

Máquina: **Emic DL30000N** Célula: **Trd 30** Extensômetro: - Data: **20/02/2019** Hora: **13:17:32** Trabalho nº **0579**

Método de Ensaio: **Módulo do Concreto RetiraExtens NBR 8522 2017**

Corpo de Prova	Diâmetro do CP	Comprimento Base	Resistência Prevista	Força Máxima	Resistência Obtida	Módulo de Deformação Tangente Inicial
	(mm)	(mm)	(MPa)	(kN)	(MPa)	(MPa)
CP 1 EU05-01	54.7	50	33	218.56	93.0	40228
CP 2 MA01-04	54.8	50	30	230.21	97.6	56405
CP 3 MA04-03	54.7	50	30	338.91	144.2	63536
CP 4 MA01-02	54.7	50	33	616.56	262.4	68253
CP 5 MA02-07	54.6	50	33	266.33	113.7	53020
Número CPs	5	5	5	5	5	5
Média	54.70	50.00	31.80	334.1	142.2	56290
Desv.Padrão	0.07071	0.0000	1.643	164.7	70.11	10770
Coef.Var.(%)	0.1293	0.0000	5.167	49.30	49.31	19.14
Mínimo	54.60	50.00	30.00	218.6	93.00	40230
Máximo	54.80	50.00	33.00	616.6	262.4	68250

The graph displays the maximum value of the function  $f$  over time for five control policies. The x-axis represents time in minutes, and the y-axis represents the maximum value of  $f$ . The policies are labeled CP 1 through CP 5. CP 1 (blue) shows a step-like increase, reaching approximately 108.0 at 14.40 minutes and 180.0 at 21.60 minutes. CP 2 (magenta) reaches approximately 81.0 at 18.00 minutes. CP 3 (green) reaches approximately 153.0 at 18.00 minutes. CP 4 (cyan) shows a significant increase starting around 10.80 minutes, reaching approximately 265.0 at 21.60 minutes. CP 5 (dark blue) remains at 0.0 throughout the time period.