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Effect of Monotonic Cooling Rate (Starting Test Temp. = $5^{\circ}C$)



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TSRST Property		Cooling Rate	
		10°C/hr	2.5°C/hr
Fracture strength (MPa)	Mean	1.627	1.584
	STD*	0.135	0.245
	CV [#]	8.3	15.4
	95% CI!	0.133	0.240
Fracture temperature (°C)	Mean	-26.3	-23.5
	STD*	0.475	0.360
	$\mathrm{CV}^{\#}$	1.8	1.5
	95% CI!	0.466	0.352
Transition temperature (°C)	Mean	-12.0	-11.0
	STD*	1.274	0.866
	CV [#]	10.6	7.9
	95% CI!	1.248	0.848
Slope of non relaxation period (MPa/°C)	Mean	-0.076	-0.080
	STD*	0.006	0.004
	CV [#]	7.9	4.6
	95% CI!	0.006	0.004

95% confidence interval







C. TSRST Cooling Rate Experiment

Effect of Starting Test Temperature



Starting Test Temp., °C	Cooling Rate, °C/hr	Fracture Strength, Mpa	Fracture Temperature, °C
5.0	2.5	1.58	-23.5
	10	1.63	-26.3
20.0	2.5	1.10	-20.9
	10	1.94	-25.8



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