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Test of Yarn Traction with MesdanLab Strength Tester

Customer Code	VTEX	Test Code	NE 43/2	Date	24/04/2023	Time 8:26:37 AM
Sample Description				Sample Number	15	
Parcel		Lot	SSP 01-23	Count	21 [Ne]	
Material						
Examiner	PHAM TRONG					
Sample Length	500 [mm]	Load cell ID/FS [kg]	3 / 12 X 1			
Clamp Speed	500 [mm/min]	Pretension	14 [cN]			
Test Machine	MesdanTensolab CRE					
Test Conditions	22C, 1 atm, 65% Rh					
Observations						

Statistical Results of the Test

	Force [cN]	Elongation [%]	Tenacity [cN/tex]	Average Time of Breakage	7.8 [s]
Maximum	1131.687 (19)	13.620 (5)	40.243 (19)		
Minimum	1018.911 (3)	12.420 (21)	36.233 (3)		
Average	1064.545	12.944	37.855		
Range	10.594 [%]	9.271 [%]	10.594 [%]		
CV	3.056 [%]	2.913 [%]	3.056 [%]		
Deviation	32.533	0.377	1.157		
IC95%	16.464	0.191	0.585		
IC99%	21.637	0.251	0.769		

Results of Single Samples

Sample #	Max Force [cN]	Max Elongation [%]	Time [s]	Tenacity [cN/tex]
1	1092	13.08	7.8	38.848
2	1019	12.54	7.5	36.233
3	1048	13.62	8.2	37.279
4	1047	12.84	7.7	37.244
5	1068	12.78	7.7	37.976
6	1031	12.84	7.7	36.651
7	1066	12.84	7.7	37.906
8	1061	13.56	8.1	37.732
9	1038	12.54	7.5	36.895
10	1132	13.20	7.9	40.243
11	1073	12.60	7.6	38.151
12	1066	12.42	7.5	37.906
13	1022	12.78	7.7	36.337
14	1112	13.44	8.1	39.545
15	1093	13.08	7.8	38.883