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Test of Yarn Traction with MesdanLab Strength Tester

Customer Code	VTEX	Test Code	NE 63/3,..	Date	03/03/2023	Time 1:18:42 PM
Sample Description					Sample Number	20
Parcel		Lot	SSP 03-22		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 [kg]		
Test Machine	MesdanTensolab CRE					
Test Conditions	22C, 1 atm, 65% Rh					
Observations						

Statistical Results of the Test

	Force [kg]	Elongation [%]	Tenacity [cN/dtex]	Average Time of Breakage 7.9 [s]
Maximum	1.137 (21)	14.040 (11)	3.965 (21)	
Minimum	0.968 (17)	12.360 (14)	3.376 (17)	
Average	1.039	13.227	3.624	
Range	16.262 [%]	12.701 [%]	16.262 [%]	
CV	4.257 [%]	4.192 [%]	4.257 [%]	
Deviation	0.044	0.555	0.154	
IC95%	0.019	0.243	0.068	
IC99%	0.025	0.319	0.089	

Results of Single Samples

Sample #	Max Force [kg]	Max Elongation [%]	Time [s]	Tenacity [cN/dtex]
1	1.080	13.68	8.2	3.766
2	1.076	13.80	8.3	3.752
3	1.038	13.20	7.9	3.620
4	1.028	13.02	7.8	3.585
5	1.065	12.90	7.7	3.714
6	1.067	13.86	8.3	3.721
7	1.103	13.92	8.4	3.846
8	1.010	13.32	8.0	3.522
9	1.006	13.14	7.9	3.508
10	1.049	13.68	8.2	3.658
11	1.066	14.04	8.4	3.717
12	0.972	12.42	7.5	3.390
13	1.051	13.50	8.1	3.665
14	0.983	12.36	7.4	3.428
15	1.022	12.72	7.6	3.564
16	0.988	12.36	7.4	3.445
17	0.968	12.36	7.4	3.376
18	1.024	13.26	8.0	3.571
19	1.137	13.56	8.1	3.965
20	1.052	13.44	8.1	3.669