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Test of Yarn Traction with MesdanLab Strength Tester

Customer Code	VTEX	Test Code	NE 63/3	Date	12/09/2023	Time	1:00:00 AM
Sample Description		Lot	SSP 02-23	Sample Number		Count	25
Parcel							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/dtex]	Average Time of Breakage [s]
Maximum	1189.547 (3)	14.280 (13)	4.230 (3)	8 [s]
Minimum	964.974 (7)	12.180 (7)	3.431 (7)	
Average	1099.718	13.363	3.911	
Range	20.421 [%]	15.715 [%]	20.421 [%]	
CV	5.075 [%]	4.377 [%]	5.075 [%]	
Deviation	55.809	0.585	0.198	
IC95%	21.877	0.229	0.078	
IC99%	28.751	0.301	0.102	

Results of Single Samples

Sample #	Max Force [cN]	Max Elongation [%]	Time [s]	Tenacity [cN/dtex]
1	1067	12.96	7.8	3.794
2	1097	13.38	8.0	3.902
3	1190	14.10	8.5	4.230
4	1133	13.74	8.2	4.028
5	1154	13.02	7.8	4.104
6	1135	14.22	8.5	4.035
7	965	12.18	7.3	3.431
8	1091	13.02	7.8	3.881
9	1168	14.04	8.4	4.153
10	1190	14.16	8.5	4.230
11	1140	13.26	8.0	4.052
12	1116	13.44	8.1	3.968
13	1099	14.28	8.6	3.909
14	1065	13.02	7.8	3.787
15	1090	12.60	7.6	3.874
16	1177	13.44	8.1	4.185
17	1081	12.78	7.7	3.843
18	1081	12.78	7.7	3.843
19	1072	13.50	8.1	3.812
20	1005	13.08	7.8	3.574