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Test of Yarn Traction with MesdanLab Strength Tester

Customer Code	VTEX	Test Code	NE 60/3F	Date	18/10/2022	Time	10:47:27 AM
Sample Description		Lot	SSP 03-22		Sample Number	20	
Parcel					Count	21 [Ne]	
Material	PHAM TRONG						
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	1123.842 (11)	14.700 (8)	3.996 (11)	8.1
Minimum	921.825 (23)	12.480 (18)	3.278 (23)	
Average	1011.850	13.467	3.598	
Range	19.965 [%]	16.485 [%]	19.965 [%]	
CV	5.628 [%]	4.233 [%]	5.628 [%]	
Deviation	56.946	0.570	0.202	
IC95%	24.957	0.250	0.089	
IC99%	32.799	0.328	0.117	

Results of Single Samples

Sample #	Max Force [cN]	Max Elongation [%]	Time [s]	Tenacity [cN/dtex]
1	1088	13.74	8.2	3.867
2	1118	14.34	8.6	3.975
3	989	13.44	8.1	3.515
4	1076	14.04	8.4	3.826
5	997	13.38	8.0	3.547
6	1004	12.66	7.6	3.571
7	1040	14.70	8.8	3.696
8	977	13.08	7.8	3.473
9	1029	13.44	8.1	3.658
10	1124	14.04	8.4	3.996
11	999	13.20	7.9	3.554
12	948	13.50	8.1	3.372
13	949	13.32	8.0	3.376
14	996	13.74	8.2	3.543
15	957	12.48	7.5	3.404
16	970	13.26	8.0	3.449
17	1067	14.04	8.4	3.794
18	995	12.78	7.7	3.540
19	922	12.90	7.7	3.278
20	992	13.26	8.0	3.529