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Test of Yarn Traction with MesdanLab Strength Tester

Customer Code	VTEX	Test Code	NE 53/3	Date	14/10/2022	Time 7:49:12 AM
Sample Description		Lot	SSP 01-21	Sample Number	20	
Parcel				Count	17.6	[Ne]
Material						
Examiner	PHAM TRONG					
Sample Length	500	[mm]	Load cell ID/FS [kg]	3 / 12	X 1	
Clamp Speed	500	[mm/min]	Pretension	17	[cN]	
Test Machine	MesdanTensolab CRE					
Test Conditions	25C, 1 atm, 60% Rh					
Observations						

Statistical Results of the Test

	Force [cN]	Elongation [%]	Tenacity [cN/dtex]	Average Time of Breakage	8.2 [s]
Maximum	1439.616 (12)	14.280 (12)	4.290 (12)		
Minimum	1232.696 (11)	12.600 (30)	3.674 (11)		
Average	1313.110	13.617	3.913		
Range	15.758 [%]	12.338 [%]	15.758 [%]		
CV	4.088 [%]	3.494 [%]	4.088 [%]		
Deviation	53.676	0.476	0.160		
IC95%	23.524	0.209	0.070		
IC99%	30.916	0.274	0.092		

Results of Single Samples

Sample #	Max Force [cN]	Max Elongation [%]	Time [s]	Tenacity [cN/dtex]
1	1277	13.50	8.1	3.805
2	1408	13.98	8.4	4.197
3	1395	13.98	8.4	4.159
4	1320	13.86	8.3	3.934
5	1273	14.04	8.4	3.794
6	1312	13.86	8.3	3.911
7	1244	13.26	8.0	3.709
8	1233	13.32	8.0	3.674
9	1440	14.28	8.6	4.290
10	1332	14.16	8.5	3.969
11	1305	13.38	8.0	3.890
12	1343	14.16	8.5	4.001
13	1321	13.92	8.4	3.937
14	1304	13.02	7.8	3.887
15	1335	13.80	8.3	3.978
16	1311	13.56	8.1	3.908
17	1268	13.08	7.8	3.779
18	1261	12.84	7.7	3.759
19	1313	13.74	8.2	3.913
20	1267	12.60	7.6	3.776