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Test of Yarn Traction with MesdanLab Strength Tester

Customer Code	VTEX.	Test Code	NE 43/3	Date	12/9/2021 Time 2:40:40 PM
Sample Description				Sample Number	31
Parcel		Lot	SSP 01-21	Count	14 [Ne]
Material					
Examiner	PHAM TRONG				
Sample Length	500 [mm]	Load cell ID/FS [kg]		3 / 12	X 1
Clamp Speed	500 [mm/min]	Pretension		21 [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 [s]
Maximum	1708.318 (13)	13.440 (7)	40.499 (13)	7.7
Minimum	1389.602 (9)	11.760 (9)	32.943 (9)	
Average	1554.133	12.766	36.843	
Range	20.508 [%]	13.159 [%]	20.508 [%]	
CV	4.958 [%]	3.544 [%]	4.958 [%]	
Deviation	77.055	0.452	1.827	
IC95%	27.125	0.159	0.643	
IC99%	35.648	0.209	0.845	

Results of Single Samples

Sample #	Max Force [cN]	Max Elongation [%]	Time [s]	Tenacity [cN/tex]
1	1559	13.08	7.8	36.965
2	1539	12.78	7.7	36.477
3	1392	12.00	7.2	32.989
4	1522	12.66	7.6	36.081
5	1517	13.44	8.1	35.965
6	1455	12.48	7.5	34.501
7	1390	11.76	7.1	32.943
8	1588	12.24	7.3	37.639
9	1461	12.12	7.3	34.640
10	1564	12.18	7.3	37.081
11	1708	13.32	8.0	40.499
12	1681	13.32	8.0	39.848
13	1683	13.44	8.1	39.894
14	1677	13.32	8.0	39.755
15	1528	12.00	7.2	36.221
16	1601	13.08	7.8	37.965
17	1590	12.66	7.6	37.686
18	1545	12.96	7.8	36.616
19	1480	12.90	7.7	35.082
20	1512	13.02	7.8	35.849