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Test of Yarn Traction with MesdanLab Strength Tester

Customer Code	VTEX	Test Code	NE 16/3	Date	12/17/2021	Time	10:55:50 AM
Sample Description					Sample Number		20
Parcel		Lot	SSP 01-21		Count		5.3 [Ne]
Material							
Examiner	PHAM TRONG						
Sample Length	500 [mm]	Load cell ID/FS [kg]		3 / 12	X 1		
Clamp Speed	500 [mm/min]	Pretension		53 [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	4585.590 (23)	16.140 (23)	41.154 (23)	9.1 [s]
Minimum	4057.011 (7)	14.220 (2)	36.410 (7)	
Average	4243.926	15.192	38.088	
Range	12.455 [%]	12.638 [%]	12.455 [%]	
CV	3.384 [%]	3.077 [%]	3.384 [%]	
Deviation	143.593	0.467	1.289	
IC95%	62.931	0.205	0.565	
IC99%	82.706	0.269	0.742	

Results of Single Samples

Sample #	Max Force [cN]	Max Elongation [%]	Time [s]	Tenacity [cN/tex]
1	4135	14.88	8.9	37.114
2	4083	14.22	8.5	36.648
3	4258	15.36	9.2	38.215
4	4316	15.48	9.3	38.734
5	4300	15.78	9.5	38.593
6	4198	14.94	9.0	37.678
7	4057	14.40	8.6	36.410
8	4078	14.64	8.8	36.595
9	4130	15.06	9.0	37.062
10	4127	15.30	9.2	37.035
11	4132	15.18	9.1	37.079
12	4345	15.72	9.4	38.998
13	4315	15.36	9.2	38.725
14	4146	15.30	9.2	37.211
15	4189	14.94	9.0	37.599
16	4382	15.24	9.1	39.324
17	4286	14.94	9.0	38.470
18	4301	15.24	9.1	38.602
19	4514	15.72	9.4	40.512
20	4586	16.14	9.7	41.154