

VIET HUNG TEXTILE Co.,LTD

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Test of Yarn Traction with MesdanLab Strength Tester

Customer Code	VIET HUNG	Test Code	NE 20/9	Date	21/09/2022	Time	2:33:00 PM
Sample Description		Lot	SSP 01-21		Sample Number	Count	10
Parcel							2.4 [Ne]
Material							
Examiner	PHAM TRONG						
Sample Length	500 [mm]	Load cell ID/FS [kg]			3 / 12	X 1	
Clamp Speed	500 [mm/min]	Pretension			123 [cN]		
Test Machine	MesdanTensolab CRE						
Test Conditions	25C, 1 atm, 60% Rh						
Observations							

Statistical Results of the Test

	Force [cN]	Elongation [%]	Tenacity [cN/tex]	Average Time of Breakage [s]
Maximum	10510.767 (18)	16.740 (18)	42.716 (18)	9.7 [s]
Minimum	9358.486 (9)	15.540 (9)	38.033 (9)	
Average	9967.675	16.191	40.509	
Range	11.560 [%]	7.411 [%]	11.560 [%]	
CV	3.709 [%]	2.254 [%]	3.709 [%]	
Deviation	369.732	0.365	1.503	
IC95%	229.158	0.226	0.931	
IC99%	301.165	0.297	1.224	

Results of Single Samples

Sample #	Max Force [cN]	Max Elongation [%]	Time [s]	Tenacity [cN/tex]
1	9623	15.96	9.6	39.109
2	9798	15.96	9.6	39.818
3	9358	15.54	9.3	38.033
4	10324	16.32	9.8	41.959
5	9795	16.19	9.7	39.806
6	10167	16.44	9.9	41.317
7	9785	16.00	9.6	39.767
8	9918	16.08	9.6	40.309
9	10397	16.68	10.0	42.254
10	10511	16.74	10.0	42.716