

VIET HUNG TEXTILE Co.,LTD

127 Le Van Chi str, Linh Trung ward, Thu Duc dist, HoChiMinh City, Viet Nam

http://viethungco.vn

email: viethung@viethungco.vn

Test of Yarn Traction with MesdanLab Strength Tester

Customer Code	VTEX	Test Code	NE 20/3	Date	22/03/2023	Time 9:01:33 AM
Sample Description	TPM 500				Sample Number	20
Parcel	NT	Lot	SSP 03-22		Count	7 [Ne]
Material						
Examiner	PHAM TRONG					
Sample Length	500 [mm]	Load cell ID/FS [kg]		3 / 12	X 1	
Clamp Speed	500 [mm/min]	Pretension		40 [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	9.1 [s]
Maximum	3571.582 (19)	16.440 (19)	42.335 (19)		
Minimum	3179.316 (6)	14.580 (6)	37.686 (6)		
Average	3417.421	15.234	40.508		
Range	11.478 [%]	12.21 [%]	11.478 [%]		
CV	3.153 [%]	3.032 [%]	3.153 [%]		
Deviation	107.756	0.462	1.277		
IC95%	47.225	0.202	0.560		
IC99%	62.064	0.266	0.736		

Results of Single Samples

Sample #	Max Force [cN]	Max Elongation [%]	Time [s]	Tenacity [cN/tex]
1	3525	15.24	9.1	41.789
2	3387	14.94	9.0	40.150
3	3420	15.24	9.1	40.533
4	3464	15.36	9.2	41.057
5	3532	15.36	9.2	41.870
6	3179	14.58	8.7	37.686
7	3459	14.94	9.0	40.998
8	3459	15.42	9.3	40.998
9	3500	16.08	9.6	41.487
10	3322	15.18	9.1	39.383
11	3290	14.58	8.7	38.999
12	3530	15.60	9.4	41.847
13	3550	15.24	9.1	42.080
14	3363	15.24	9.1	39.859
15	3456	15.60	9.4	40.964
16	3407	15.00	9.0	40.382
17	3248	14.64	8.8	38.499
18	3312	15.00	9.0	39.255
19	3572	16.44	9.9	42.335
20	3373	15.00	9.0	39.987