

VIET HUNG TEXTILE Co.,LTD

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Test of Yarn Traction with MesdanLab Strength Tester

Customer Code **VTEX** Test Code **TXP 100D/36F/2** Date **10/29/2021** Time **7:32:25 PM**

Sample Description		Sample Number	20
Parcel	Lot	Count	26 [Ne]
Material			
Examiner	PHAM TRONG		
Sample Length	500 [mm]	Load cell ID/FS [kg]	3 / 12 X 1
Clamp Speed	500 [mm/min]	Pretension	11 [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	966.936 (20)	20.040 (20)	42.571 (20)	11 [s]
Minimum	801.203 (5)	13.740 (5)	35.274 (5)	
Average	933.593	18.333	41.103	
Range	17.752 [%]	34.364 [%]	17.752 [%]	
CV	3.628 [%]	7.549 [%]	3.628 [%]	
Deviation	33.870	1.384	1.491	
IC95%	14.844	0.607	0.654	
IC99%	19.508	0.797	0.859	

Results of Single Samples

Sample #	Max Force [cN]	Max Elongation [%]	Time [s]	Tenacity [cN/tex]
1	801	13.74	8.2	35.274
2	920	17.28	10.4	40.499
3	949	19.50	11.7	41.794
4	918	17.10	10.3	40.412
5	947	19.20	11.5	41.708
6	936	18.12	10.9	41.189
7	936	17.82	10.7	41.189
8	929	18.12	10.9	40.887
9	933	17.82	10.7	41.060
10	919	17.52	10.5	40.455
11	938	19.08	11.4	41.276
12	943	18.72	11.2	41.535
13	934	17.76	10.7	41.103
14	951	19.50	11.7	41.880
15	943	18.66	11.2	41.535
16	948	19.02	11.4	41.751
17	948	18.90	11.3	41.751
18	967	20.04	12.0	42.571
19	962	20.04	12.0	42.355
20	950	18.72	11.2	41.837