

VIET HUNG TEXTILE Co.,LTD

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

http://viethungco.vn

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Test of Yarn Traction with MesdanLab Strength Tester

Customer Code	VTEX	Test Code	NE 80/3.	Date	7/5/2021 Time	10:36:32 AM
Sample Description	1066 T/M			Sample Number	30	
Parcel		Lot	SSP 02 - 21	Count	27 [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	928.690 (30)	13.560 (30)	42.460 (30)	7.5
Minimum	706.079 (11)	11.280 (18)	32.282 (11)	
Average	807.087	12.530	36.900	
Range	27.582 [%]	18.196 [%]	27.582 [%]	
CV	7.068 [%]	4.129 [%]	7.068 [%]	
Deviation	57.044	0.517	2.608	
IC95%	20.412	0.185	0.933	
IC99%	26.827	0.243	1.227	

Results of Single Samples

Sample #	Max Force [cN]	Max Elongation [%]	Time [s]	Tenacity [cN/tex]
1	841	13.08	7.8	38.469
2	859	12.90	7.7	39.276
3	911	13.14	7.9	41.653
4	852	12.60	7.6	38.963
5	796	12.12	7.3	36.407
6	829	12.36	7.4	37.886
7	800	12.42	7.5	36.586
8	805	12.42	7.5	36.810
9	870	13.38	8.0	39.770
10	839	12.30	7.4	38.380
11	706	11.40	6.8	32.282
12	785	12.78	7.7	35.869
13	857	12.96	7.8	39.187
14	758	12.42	7.5	34.658
15	795	12.78	7.7	36.362
16	757	12.24	7.3	34.613
17	854	12.90	7.7	39.052
18	711	11.28	6.8	32.506
19	770	12.06	7.2	35.196
20	831	12.54	7.5	37.976

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Sample#	Max Force [cN]	Max Elongation [%]	Time [s]	Tenacity [cN/tex]
21	766	12.48	7.5	35.017
22	819	12.90	7.7	37.438
23	740	12.78	7.7	33.851
24	731	11.82	7.1	33.403
25	784	12.00	7.2	35.824
26	792	12.54	7.5	36.228
27	759	12.36	7.4	34.703
28	900	13.02	7.8	41.160
29	766	12.36	7.4	35.017
30	929	13.56	8.1	42.460