

Test of Yarn Traction with MesdanLab Strength Tester

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Customer Code VTEX Test Code NE 63/2,, Date 14/03/2023 Time:11:27 AM

Sample Description Parcel Lot SSP 03-22 Sample Number Count 20 31 [Ne]

Material PHAM TRONG
 Examiner 500 [mm]
 Sample Length 500 [mm/min]
 Clamp Speed 500 [mm/min] Pretension
 Test Machine MesdanTensolab CRE
 Test Conditions 22C, 1 atm, 65% Rh
 Observations NTCLKMH B

Statistical Results of the Test

Force [cN] Elongation [%] Tenacity [cN/tex] Average Time of Breakage 7.3 [s]

Maximum 750.209 (21) 13.020 (21) 39.381 (21)

Minimum 620.761 (13) 11.580 (17) 32.586 (13)

Average 668.176 12.219 35.075

Range 19.373 [%] 11.785 [%] 19.373 [%]

CV 5.305 [%] 3.335 [%] 5.305 [%]

Deviation 35.445 0.408 1.861

IC95% 15.534 0.179 0.815

IC99% 20.415 0.235 1.072

Results of Single Samples

Sample # Max Force [cN] Max Elongation [%] Time [s] Tenacity [cN/tex]

1 690 12.18 7.3 36.241

2 638 11.76 7.1 33.512

3 632 11.64 7.0 33.152

4 699 12.54 7.5 36.704

5 628 11.76 7.1 32.946

6 665 12.48 7.5 34.902

7 644 12.24 7.3 33.821

8 678 11.94 7.2 35.572

9 707 12.60 7.6 37.116

10 726 12.84 7.7 38.094

11 621 11.94 7.2 32.586

12 663 12.12 7.3 34.799

13 695 12.36 7.4 36.498

14 644 12.24 7.3 33.821

15 648 11.58 6.9 34.027

16 683 12.00 7.2 35.829

17 750 13.02 7.8 39.381

18 623 12.24 7.3 32.689

19 660 12.84 7.7 34.645

20 670 12.06 7.2 35.160