

VIET HUNG TEXTILE Co.,LTD

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Test of Yarn Traction with MesdanLab Strength Tester

| | | | | | | | |
|--------------------|--------------------|-----------|------------|----------------------|---------------|------|-------------|
| Customer Code | VTEX | Test Code | NE 40/2 RE | Date | 22/06/2023 | Time | 10:52:07 AM |
| Sample Description | | | | | | | |
| Parcel | | Lot | 170723 | | Sample Number | | 25 |
| Material | | | | | Count | | 20 [Ne] |
| Examiner | PHAM TRONG | | | | | | |
| Sample Length | 500 [mm] | | | Load cell ID/FS [kg] | | | |
| Clamp Speed | 500 [mm/min] | | | Pretension | 3 / 12 | X 1 | |
| Test Machine | MesdanTensolab CRE | | | | | | 15 [cN] |
| 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 | 1129.726 (12) | 13.020 (8) | 38.260 (12) | 7.2 [s] |
| Minimum | 920.844 (5) | 11.040 (22) | 31.186 (5) | |
| Average | 1031.934 | 12.043 | 34.948 | |
| Range | 20.242 [%] | 16.441 [%] | 20.242 [%] | |
| CV | 5.363 [%] | 4.681 [%] | 5.363 [%] | |
| Deviation | 55.344 | 0.564 | 1.874 | |
| IC95% | 21.694 | 0.221 | 0.735 | |
| IC99% | 28.511 | 0.290 | 0.966 | |

Results of Single Samples

| Sample # | Max Force [cN] | Max Elongation [%] | Time [s] | Tenacity [cN/tex] |
|----------|----------------|--------------------|----------|-------------------|
| 1 | 1058 | 12.24 | 7.3 | 35.836 |
| 2 | 1099 | 12.30 | 7.4 | 37.231 |
| 3 | 1002 | 11.82 | 7.1 | 33.943 |
| 4 | 959 | 11.22 | 6.7 | 32.481 |
| 5 | 921 | 11.10 | 6.7 | 31.186 |
| 6 | 1032 | 12.12 | 7.3 | 34.939 |
| 7 | 1059 | 12.00 | 7.2 | 35.869 |
| 8 | 1127 | 13.02 | 7.8 | 38.160 |
| 9 | 970 | 11.28 | 6.8 | 32.847 |
| 10 | 1080 | 12.84 | 7.7 | 36.566 |
| 11 | 1074 | 12.42 | 7.5 | 36.367 |
| 12 | 1130 | 13.02 | 7.8 | 38.260 |
| 13 | 1047 | 12.06 | 7.2 | 35.470 |
| 14 | 1003 | 11.64 | 7.0 | 33.976 |
| 15 | 1094 | 12.36 | 7.4 | 37.065 |
| 16 | 1009 | 11.70 | 7.0 | 34.175 |
| 17 | 1059 | 12.54 | 7.5 | 35.869 |
| 18 | 1063 | 12.54 | 7.5 | 36.002 |
| 19 | 1036 | 11.64 | 7.0 | 35.072 |
| 20 | 1026 | 12.24 | 7.3 | |