



Singapore Test Services

A company of ST Kinetics

Singapore Test Services Pte Ltd

Main Office:

249 Jalan Boon Lay Singapore 619523

Tel: (65) 6660 7271 / (65) 6660 7322

Fax: (65) 6261 2617

Website: www.test.com.sg

E-mail: stsb@stengg.com

(Regn. No.: 198004219D)

Branch Office:

Block 4010 Ang Mo Kio Avenue 10

TECHPLACE 1 #01-11 & 03-08 - 03-12

Singapore 569626

Tel: (65) 6854 3567 Fax: (65) 6854 3566

Report No: 01844-0217-00476-MEME

Date of Report: 16 February 2017

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Client's Reference: Q16-8451-03635

Report Title: Tensile Load Testing on Window Restrictor – Cable Lock

Client Details: Securi Pte Ltd
81 Ubi Ave 4, #05-15, UB.One
Singapore 408830

Attn: Joys Lee

Sample Description: One (01) piece of Product Name: Window Restrictor – Cable Lock (Figure 2)

Test Method: The Window Restrictor – Cable Lock was mounted into a test fixture and subjected to a tension load until failure. (Figure 3 & 4)

Test Equipment : Universal Testing Machine, MTS/SINTECH 65/G
Crosshead rate: 50 mm/min.

Date of Receipt: 08 February 2017

Date of Test: 09 February 2017

Location of Test: 249 Jalan Boon Lay, Singapore 619523

Results Reported By:

Yong Soon Choy
Reporting Officer

Report Approved By:

Tan Chee Kheng
Supervisor
Materials Engineering Division



Results of Testing

Table 1: Tensile Load Test Results

Sample Reference	Maximum Failure Load (N)	Failure Location
Product Name: Window Restrictor – Cable Lock	2641 (269kgf)	Failure at casing (as shown in Figure 4)

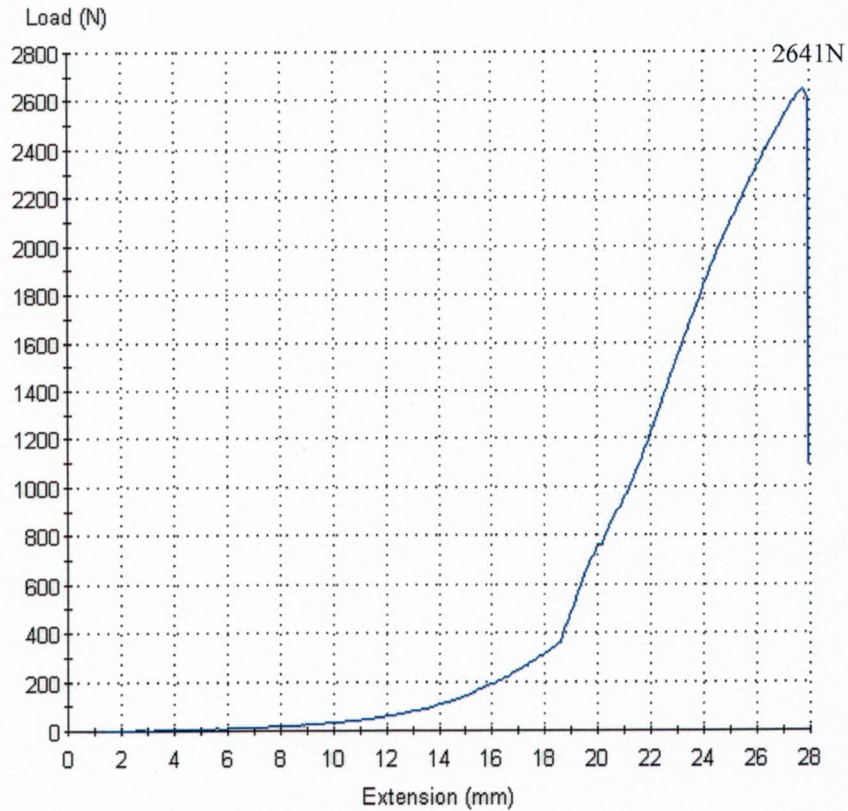


Figure 1: Load vs. Extension Curve

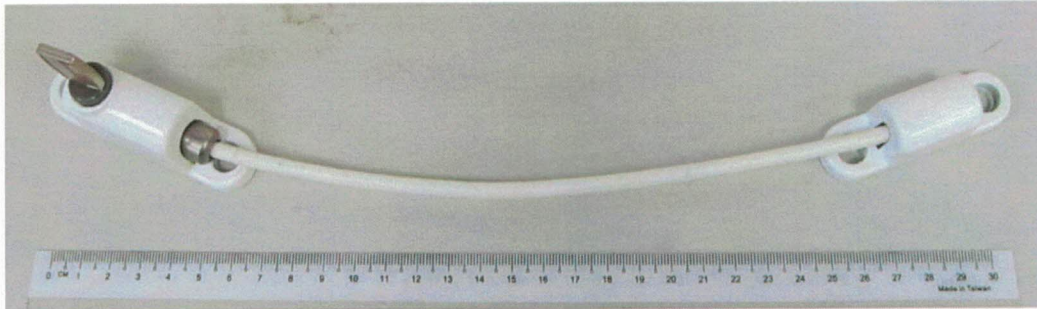


Figure 2: Received Sample

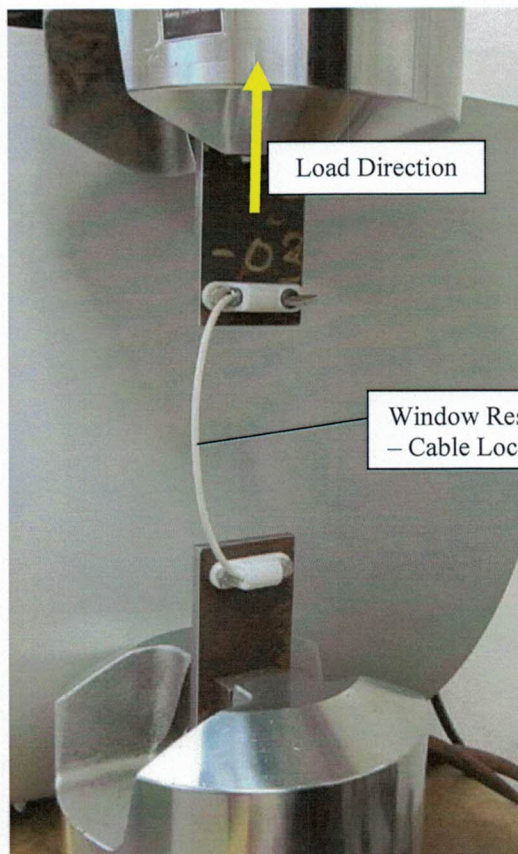


Figure 3: Test Set up

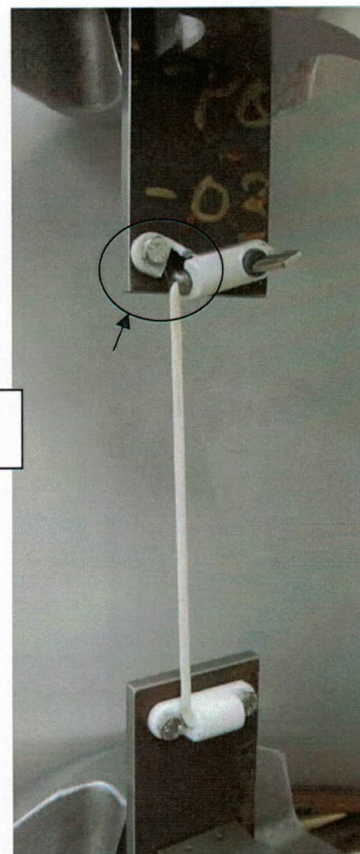


Figure 4: After Test
(Arrow Shown Failure Location)