

Firm: Coats Barbour
Hilden Mill
Hilden
LISBURN
County Antrim
BT27 4RR

CQ reference 68907/0611/MPE-Z

Date: 24th March 2006

Samples received: 16th March 2006

Attention of: Mr N Whiting

Testing completed: 22nd March 2006

TECHNICAL SERVICES REPORT

Subject: Evaluation of slide fasteners
Sample reference: S60

Conditions of Issue:

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Results given in this report refer only to the samples submitted for analysis and tested by SATRA. Comments are for guidance only.

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A satisfactory test report in no way implies that the product tested is approved by SATRA and no warranty is given as to the performance of the product tested. SATRA shall not be liable for any subsequent loss or damage incurred by the client as a result of information supplied in the report.

Report signed by: Kala Tidball-Wykes
Footwear Consultant
Footwear Technology - Testing
On behalf of SATRA Technology Centre Ltd

EVALUATION OF SLIDE FASTENERS

SAMPLES RECEIVED

Reference S60 – black 6mm x 495mm plastic spiral chain with metal slider and metal/plastic puller

TESTS REQUESTED

Testing according to specified appendices of BS 3084 1992

The samples were stored in a standard controlled environment of $20 \pm 2^{\circ}\text{C}/65 \pm 2\%\text{RH}$ for at least 48 hours prior to testing. Testing was also carried out in this standard atmosphere.

RESULTS AND COMMENTS

The results are given in detail in the attached table.

The slide fastener submitted meets the requirements of performance Code E as specified in BS 3084 1992 which is described as “heavy-use”.

SLIDE FASTENERS							
Manufacturer/Supplier: Coats Barbour			Performance code BS3084 1992				
Trade name/Reference: S60							
Type: Black 6mm x 495mm plastic spiral chain with metal slider and puller							
Test method	Property	Result	A	B	C	D	E
Appendix B 1992	Puller attachment strength (N)	430	70	80	200	250	300
Appendix C 1992	Closed end test (N)	180	50	60	80	110	140
Appendix D 1992	Top stop test (N)	292	50	70	90	110	130
Appendix F 1992 [†]	Reciprocating test* (Minimum cycles without failure)	No damage after 500 cycles	500	500	500	500	500
Appendix J 1992	Slider locking test (N)	110	10	15	25	40	60
Appendix G 1992	Lateral strength (N)	1010	150	200	250	370	470

* The reciprocating test was performed on the SATRA slide fastener endurance tester at the required load, and this test is technically equivalent to Appendix F. In this test the lateral force on each tape was 30N and the longitudinal force was 46N.