

TEST REPORT

Hardline Laboratory

Report No. : HL50479/2020

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Date : JUL. 14, 2020

Sharkoon Technologies GmbH

Grüninger Weg 48, 35415 Pohlheim, Germany

The following merchandise was submitted and identified by the applicant as:

Product Description: Sharkoon SW10

Country of Origin: Taiwan

We have tested the submitted sample(s) as requested and the following results were obtained:

Test Requested: For compliance with BS EN 12529:1999 Castors and wheels – Castors for furniture – Castors for swivel chairs – requirements
Clause 5.2 Impact performance
Clause 5.5 Stem retention
Clause 5.6 Static load performance
Clause 5.8 Dynamic test
Clause 5.9 Long distance running
Clause 5.10 Rolling resistance

Castors Type: Type W

Test Method: Tested according to test procedures with BS EN 12527:1999

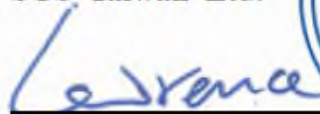
Test Result: ---See following sheet(s)---

Date of Receipt: May 22, 2020

Testing Period: May 22, 2020 ~ Jun. 30, 2020

Conclusion: The submitted samples **comply with** clause 5.2, 5.5, 5.6, 5.8, 5.9 and 5.10 of BS EN 12529:1999 Castors and wheels – Castors for furniture – Castors for swivel chairs – requirements.

Signed for and on behalf of
SGS Taiwan Ltd.


Lawrence Yang
Supervisor



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Test Result: *BS EN 12529:1999 Castors and wheels – Castors for furniture – Castors for swivel chairs - requirements*

Clause

5.2 Impact performance

Pass

Free falling mass	Drop height	Result
5 kg	200 mm	No visual damage was found after testing.

5.5 Stem retention

Pass

Min. pull-out force	Time of application of load	Result
50 N	2 min.	No visual damage was found after testing.

5.6 Static load performance

Pass

Test load	Time of application of load	Elapsed time of application of load	Deformation	Deformation limit
800 N	24 h	24 h	0.2 %	< 3%

5.8 Dynamic test

Pass

Test load per castor	Height of obstacles	Number of cycles	Running period	Pause period	Speed	Result
300 N	3 mm	30,000	3 min.	2 min.	6 cycle per min.	No visual damage was found after testing.

5.9 Long distance running

Pass

Test load per castor	Number of cycles	Speed	Result
300 N	20,000	6 cycle per min.	No visual damage was found after testing.

5.10 Rolling resistance

Pass

Test load	Travel speed	Limit	Horizontal tractive force
300/600/900 N	50 mm/s	< 15% of test load	9 N under 300 N load / 12 N under 600 N load / 17 N under 900 N load

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– Picture(s)–



Photo A : Appearance of the sample

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