

TECHNICAL REPORT



Part of the Exova Group

Maxwell Road, Stevenage
Hertfordshire
SG1 2EW, UK

T: +44(0) 1438 777 700

F: +44(0) 1438 777 800

E: info@fira.co.uk

W: www.fira.co.uk

PINEAPPLE

Westmead

Aylesford

Maidstone

Kent

ME20 6XJ

Our Ref: **TSSEF74977**

Date: 05 September 2017

Delivery Date: 15 August 2017

Test Dates: 30 August 2017

For the attention of Neill Smith

SAMPLE (S) FOR TEST:

One, Ryno Lounge Chair

TEST REQUIREMENTS:

ANSI/BIFMA X5.4: 2012 – Clause 15 Only

RESULT:

PASS

This Report relates to the sample(s) submitted for test and no others. Additions, deletions or alterations are not permitted.

Test reports are given to the client in confidence, and may only be reproduced in whole or in part with written permission from FIRA International Limited. Note that the words "**tested by FIRA**" may be used in subsequent publicity for the product; "approved" must **not** be used.

Tests are carried out on the understanding that neither FIRA International Limited nor its officers can accept any legal responsibility for information or advice given or opinions expressed whether in response to specific enquiries or otherwise. This Report is given subject to the Terms of Business of FIRA International Limited which are available at www.fira.co.uk/document/fira-terms-and-conditions.pdf

TECHNICAL REPORT

DESCRIPTION

Item: Ryno Lounge Chair

Supplied by: Pineapple

See Photos: One – Four

QUANTITY	PART NAME	MATERIAL
1	Seat	27mm Thick Plastic
1	Backrest	50mm Thick Plastic
1	Base	37mm Thick Plastic

Total Weight – 13.1kg

All dimensions are approximate.

PRECONDITIONING AND MOISTURE CONTENT

FIRA cannot validate date of manufacture and therefore it is assumed that at least 4 weeks has elapsed between date of manufacture and delivery to FIRA.

Unless otherwise stated on the first page of this report the sample was stored in indoor ambient conditions for at least the minimum duration as required by this standard prior to test. Wherever possible timber moisture content is verified prior to test. Where this is not possible the moisture content is assumed to be in the range 8 – 12 %.

TECHNICAL REPORT

ANSI/BIFMA X5.4 - 2012

Lounge Seating – Tests

The strength tests required were carried out in accordance with the Standard. Where applicable details of the loads applied and their positions of application are retained at FIRA and are available on request.

Item: Ryno Lounge Chair

Initial Inspection: No apparent faults

Section Number	Description	Result	
		Type I	Type II Style A
	Chair style		
5	Back Static Load		N/T
6	Vertical Static Load		N/T
7	Back Fatigue		N/T
8	Vertical Fatigue on Back		N/T
9	Arm Sideways Static Load		N/A
10	Arm Downwards Static Load		N/A
11	Arm Durability Test – Horizontal - Cyclic		N/A
12	Arm Durability Test – Vertical - Cyclic		N/A
14	Seat Fatigue		N/T
15	Seat Impacts		PASS
16	Legs Forwards & Sideways Static Load		N/A
17	Drop Test		N/T
21	Stability Tests		N/T

N/T Denotes: Not tested at customer request.

A deviation was followed when carrying out the angular arm durability test requirements from the BIFMA standard. The equipment and procedures defined in the standard were replaced with those contained in BS EN 1728: 2012.

In extreme weather conditions the ambient test temperature and/or humidity may fall outside the requirements of the standard. Such changes have not been shown to affect the validity of the results. Details of the ambient conditions at time of test are available on request.

TECHNICAL REPORT

CONCLUSION

The Ryno Lounge Chair, as previously described, successfully satisfied the test requirements to Clause 15 of ANSI/BIFMA X5.4 – 2012.

Tested by: M Urry

Reported by: S Hackett

Approved by: L Haines

Section Head – Structural Testing

TECHNICAL REPORT



Photo 1: Ryno Lounge Chair



Photo 2: Ryno Lounge Chair

TECHNICAL REPORT



Photo 3: Ryno Lounge Chair



Photo 4: Ryno Lounge Chair

*****End of Report*****