

Odyssey

Technical Information Pack

Hospitality

Marine

Residential

Workspace

YARWOOD

Leather

Odyssey Leather Technical Information Pack

We look forward to working with you as your leather supplier, here are the main advantages of working with us:

Accredited to ISO9001, Yarwood provides a wide range of leather and faux leather ranges which are suitable for the contract and hospitality, marine, residential and workplace sectors. Yarwood also offer specialist aviation and automotive leathers and faux leathers.

As well as supplying leather and faux leathers, we offer a cutting service which allows you to save time and money by having your order delivered as cut parts.

Additionally, we also offer a sewing service, once again allowing you to save money by having your leather or faux leather cut and sewn ready for assembly.

Please see enclosed the colour palette, technical information and fire certification for the Odyssey range.

All our leathers have a minimum order quantity of one hide.

If you require any samples of our ranges, further information or to place an order, please contact the Sales Office:

+44 (0) 113 252 1014
sales@yarwoodleather.com

YARWOOD
Leather



Range Information - Odyssey

The Odyssey leather range has been perfectly crafted over time to provide a rich, immersive finish, which brings together the best qualities of leather.

Embodying leather's natural beauty, including character and tonality, to create a beautifully soft handle, Odyssey was designed to make seating which not only draws the eye, but also provides a strong finish for life in public spaces.

Odyssey meets contract and marine fire requirements, Crib 5 and IMO Part 8, ensuring the seating it is upholstered on can help create memories and stories for all that sit upon it.

Key Facts

- Embraces natural characteristics
- Av. Hide Size - 5m²

Fire Regulations

- Meets Cigarette & Match as standard
- Meets Crib 5 as standard
- Meets IMO Part 8 as standard

Please remember that leather is a natural product and there may be natural variation between samples and final batch.

All samples should be treated as a guide for colour and texture only.

Odyssey Technical Information

Application Usage

Hospitality | Hotel | Leisure | Marine | Residential | Workspace

Certification on following pages

Test Results

Material Characteristics

Thickness	0.9 - 1.0mm ± 0.1mm
Mass	800g/m ² ± 5%
Average Hide Size	5m ²

Wear Tests

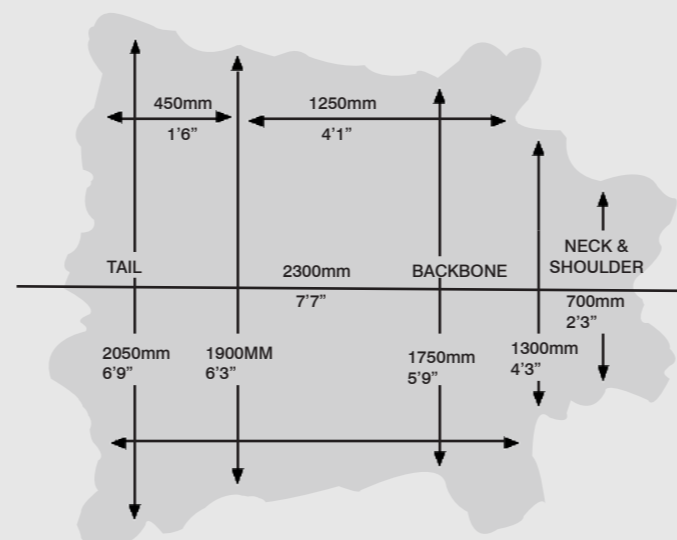
Test	Method	Result
Fastness to Light	BS EN ISO 105-B02:1999	Blue Wool 3 (min)
Fastness to Rubbing	BS EN ISO 11640:1998	80 Wet/500 Dry
Tear Strength	BS EN ISO 3377-1:2002	40N

Flammability Tests

	Test	Result
Domestic FR (Cigarette + Match)	BS 5852: Part 1: 1979	Pass
Contract FR (Crib 5)	BS 5852:2006 - Ig source 5	Pass
Marine FR (Indoor Marine Seating)	IMO 2010 FTP Code Annex 1 Part 8	Pass

Typical Odyssey Hide Size

The illustration shown below is a guide to the shape and size of a typical hide. Every hide is different and can vary in size. When ordering leather, please be sure to allow for natural wastage that will occur due to the shape of the hide, a minimum of 30% should be used, contact your sales representative for further guidance.



Odyssey Range

As every piece of leather seating tells its own individual story, the Odyssey colour palette has been handcrafted to embody particular moods.

A bespoke colour service is available on the Odyssey range, subject to minimum order quantities.

Please remember that leather is a natural product and there may be natural variation between samples and final batch.

All samples should be treated as a guide for colour and texture only.



Canary Song
0166LAFG001

Coastal Sunset



0167LAFG001

Ember Glow



0170LAFG001

Burning Flame



0165LAFG001

Desert Sands



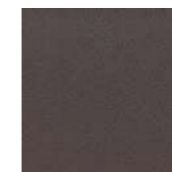
0169LAFG001

Wilderness Trek



0176LAFG001

Woodland Wander



0177LAFG001

Highland Mist



0172LAFG001

Tranquil Meadow



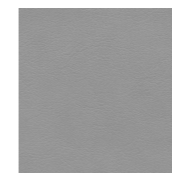
0175LAFG001

Forest Leaves



0171LAFG001

Morning Fog



0174LAFG001

Lagoon Falls



0173LAFG001

Dark Harbour



0168LAFG001

Using Odyssey

With any product, it is important to ensure the right material is being used for your application.

Fire Regulations

- Meets Cigarette & Match as standard
- Meets Crib 5 as standard
- Meets IMO Part 8 as standard

See the following page for a comprehensive care and cleaning guide.

Using Odyssey in Hospitality or Contract Design

A soft, smooth leather, with a neutral colour palette & hints of two tone, Odyssey has been created with hospitality upholstery in mind, hotel foyers, fixed restaurant seating or bar stools.

As with all Yarwood ranges, Odyssey comes Crib 5 as standard, for Crib 5 certification please see the end of this technical information pack.

Using Odyssey in Marine Design

Relaxing lounge spaces, cabin headboards or dining areas, Odyssey creates luxury spaces on board yachts, cruise liners or any indoor marine seating, meeting IMO Part 8 fire regulations as standard.

For IMO certification please see the end of this technical information pack.

Using Odyssey in Residential Design

From open plan dining areas to chaise longues, Odyssey offers an elegant yet traditional look to seating throughout your home.

For Cigarette + Match Fire certification please see the end of this technical information pack.

Using Odyssey in Workplace Design

Conference room seating, breakout spaces or office dens, increase your productivity in a comfortable space with the natural tonality of Odyssey.

For Crib 5 certification please see the end of this technical information pack.



Odyssey Care and Cleaning Guide

Our semi-natural products are very similar to semi-aniline products in that they have a two-tone effect and some of the unique surface characteristics of the hide remain visible. Our semi-natural products sometimes have a light emboss applied in the intermediary stage to help improve the consistency of the product.

We use a degree of pigmentation to ensure colour consistency and replicability throughout the ranges whilst keeping the products soft and supple throughout. The final result is a soft supple finish with a degree of tonality that gives the product depth and character. With any two-tone a degree of shade variation will be common as the two contrasting colours will never be in the same place twice.

Since these products have a softer top coat, they will inevitably not have as robust qualities as the fully pigmented, corrected leathers

General Care of Odyssey

The biggest enemy to a piece of upholstery is the build-up of material on the surface of the leather. If material is allowed to build up, when you move against the surface of the leather instead of only rubbing material against the surface, the leather grabs any free material and rubs said material under force and pressure against the surface of the leather.

This can cause severe abrasion of the surface. We recommend vacuuming the leather, as this removes the dirt particles and prevents them abrading against the surface of the leather.

Dusting with a cloth is also a suitable process.

Wet Stains

All stains should be removed immediately.

The simple answer is to simply remove any excess liquid or puddles with a damp lint free cloth.

DO NOT use household cleaning products, anything with a solvent base will solubilize the finishes we use to manufacture the leather and will damage the leather.

For any residual stains, use leather cleaning wipes to gently remove the stain from the leather. Most stains should be removable if treated quickly and carefully.

Dry or longer term stains

If the area is dry to the touch, apply leather cleaning wipes by rubbing in a gentle circular motion.

DO NOT use nail varnish remover, acetone, bleach, household detergent, hair spray or other cleaning products other than a damp cloth.

Most household cleaners contain solvents to solubilize the contaminant as such that they can be removed with a damp cloth. The solvent will remove the stain but will also start to dissolve the leather finish.

If in doubt, please get in touch for guidance.



Natural Characteristics of Leather

No two animal hides or skins are identical, just as no two people's skins are the same, with everyone having different cuts, scars and hair follicle sizes.

These are all natural characteristics of the animals that occur throughout their normal life.

Here are a few examples of natural marks that can be found throughout leather hides.

Instead of taking steps to remove these "imperfections", we ask you to embrace leather for what it is, a natural and beautiful material.

Don't see an imperfection, see character and how the authentic piece of furniture will add to your project.

Neck Grain

The majority of animals used to make leather will naturally graze on grass. This involves bending and stretching their necks daily in order to feed.

This constant moving creates creases and growth marks on the back of the neck.

As the age of the animal increases, the number and size of the neck grain will also increase.

On finished leather these grains will appear as textured lines.

Stretch Marks

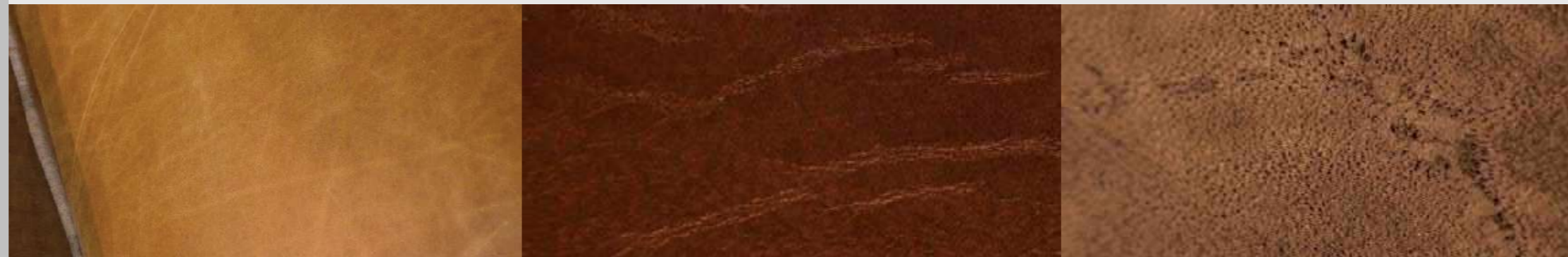
In the same way in which humans develop stretch marks whilst growing, animals used for leather also have these identifiable marks.

Although this is arguably more common in the female hides and skins, with the obvious factor of childbirth and also the differing amounts of fats present in the skin.

Skin Disease

Psoriasis and eczema are as common in animals as they are in humans. Areas of the skin may be non-uniform where these conditions have been present.

Insect bites and parasite damage may leave varying marks and scars on the skin.



Veins

Just as you see the veins in your own skin, vein lines can appear on finished leather.

This occurs when bacteria is attracted to any remaining nutrient rich blood, in the original pathways of the blood vessels before leather manufacturing begins.

Skin is worn away and degraded into the pattern of the original pathways.

Scars

Animals may come into contact with various objects during their lifetime that can cut the skin, including barbed wire or other animal's horns, which may result in the scarring of the skin.

Human intervention such as branding, which is done for ownership purposes, and any medical surgery could also leave a permanent scar.

Once these scars are healed, the tissue is slightly raised, however, it keeps intact its structural integrity.

Shade Differentiation

Each individual person has a different skin tone to those next to them, this is also the case in animal hides.

Factors such as age, weight and size can affect the penetration of the dyestuffs. However, strict controls are applied to the chemical conditions to try ensure an even take up.

In a full grain hide you may find that there are different tonal hues, this is quite normal and is down to the dyeing process emphasising the natural transparency of the hide.

It is important to treat samples as a guide for colour and texture.



FLAMMABILITY TEST REPORT

Report No.: LEI22020146A **Date Received:** 01/02/22 **Date Tested:** 07/02/22 **Date Issued:** 07/02/22

Company Name & Address: YARWOOD LEATHER
UNIT B
TREEFIELD IND. EST.
GILDERSOME
LEEDS
LS27 7JU

Contact Name: JOHN EDWARD

Sample Details

Reference No.: Not stated
Order No.: PP2076
Style No.: Not stated
Batch No.: Not stated
Quality: ODYSSEY
Colour: Not stated
Supplier: Not stated
Intended Use: Not stated
Quoted Fibre Composition: Not stated
Retailer: Not stated
Buying Division: Not stated
Sample Description: Grey / brown coloured leather

Test Method	Pre Treatment	Requirement	Result
BS 5852:2006 Clause 11 (upholstery composite) Ignition source 5	None	As BS 5852:2006 Clause 11 (upholstery composite) Ignition source 5	NI/5 (PASS)

.....
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ANDREW HALLETT
(Flammability Team Leader)

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CAROLE SPOWART
(Flammability
Administrator)

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GREGORY JAMES
(Flammability Technician)

FLAMMABILITY TEST REPORT

Test Specification

Test Method: BS 5852:2006 Clause 11 (upholstery composite) Ignition source 5

Uncertainty of Measurement

The uncertainty of measurement has been estimated to be 5.99%

Foam specification

Supplier / Grade: Carpenter / RX36110
Size: 450 x 450 x 75mm (back) & 450 x 300 x 75mm (seat)
Density / Hardness: 36kg/m³ ± 5% / 105N ± 15%

Conditioning

Prior to Testing: At least 72 hours in ambient indoor conditions, then at least 24 hours in an atmosphere having a temperature of 23 ± 2°C and a relative humidity of 50 ± 5%

At Time of Testing: Temperature of 10 °C to 30 °C and a relative humidity of 15 % to 80 %

Test Results

"The following test results relate only to the ignitability of the combination of upholstery composites (BS 5852: 2006, Clause 11) under the particular conditions of test stated; they are not intended as a means of assessing the full potential fire hazard of the materials or products in use";

Test number / position	1	2
Criterion of Ignition		
Smouldering Criteria		
Externally detectable amounts of smoke, heat or glowing 60 minutes after crib ignition	No	No
Escalating smouldering behaviour rendered the test unsafe to continue and required forcible extinction	No	No
Smouldering essentially consumed the test specimen within the duration of the test / Smouldering reached the extremities of the test specimen (Other than the top of the vertical part of the test specimen) within the duration of the test	No	No
Flaming Failure		
The test specimen continued to flame for more than 10 minutes after the ignition of the crib	No	No
Escalating combustion behaviour rendered the test unsafe to continue and required forcible extinction	No	No
Flaming essentially consumed the test specimen within the duration of the test	No	No
Flaming reached the extremities of the test specimen (Other than the top of the vertical part of the test specimen) within the duration of the test	No	No
Debris from the test specimen caused an isolated floor fire that continued to flame for more than 10 minutes after the ignition of the crib	No	No
Final Examination		
Progressive smouldering was observed when the sample was dismantled	No	No
Evidence of charring within the filling (other than discolouration) more than 100mm in any direction, apart from upwards, from the nearest part of the original position of the ignition source	No	No
Time to extinction of flames after crib ignition	4 Minutes 52 Seconds	3 Minute 36 Seconds
Time to extinction of glowing after crib ignition	6 Minutes 12 Seconds	6 Minutes 20 Seconds
Time to extinction of smoke after crib ignition	Due to the amount of smoke in the test enclosure it was not possible to see when smoking ceased	Due to the amount of smoke in the test enclosure it was not possible to see when smoking ceased
Maximum extent of damage to back (mm) Length / Width	400 / 110	400 / 90
Maximum extent of damage to base (mm) Length / Width	75 / 80	60 / 120
Test Result	NI/5 (PASS)	NI/5 (PASS)
Ignitability performance index: "Clause 11 - NI/5"		

FLAMMABILITY TEST REPORT

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The reported expanded uncertainty is based on a standard uncertainty multiplied by a coverage factor of $k = 2$, providing a level of confidence of approximately 95 %. Unless otherwise specified all compliance and pass/fail statements are binary simple acceptance based on the tolerance interval and, with the exception of graded methods, a test uncertainty ratio greater (TUR) than 4:1. For graded methods the TUR will drop to as low as 0.5:1 when the tolerance limits are within a grade division of the upper scale limit. The Uncertainty budgets are stated for each Test method, these are for reference, and should be considered when results are on or close to Specification Limits / Requirements and in such cases it should be noted that the risk of false acceptance or rejection may be as high as 50%, for further information please refer to ILAC G8.

FLAMMABILITY TEST REPORT

Report No.: LEI22020146B **Date Received:** 01/02/22 **Date Tested:** 07/02/22 **Date Issued:** 07/02/22

Company Name & Address: YARWOOD LEATHER
UNIT B
TREEFIELD IND. EST.
GILDERSOME
LEEDS
LS27 7JU

Contact Name: JOHN EDWARD

Sample Details

Reference No.: Not stated
Order No.: PP2076
Style No.: Not stated
Batch No.: Not stated
Quality: ODYSSEY
Colour: Not stated
Supplier: Not stated
Intended Use: Not stated
Quoted Fibre Composition: Not stated
Retailer: Not stated
Buying Division: Not stated
Sample Description: Grey / brown coloured leather

Test Method	Pre Treatment	Requirement	Result
BS 5852: Part 1: 1979, Ignition source 0 (Cigarette)	None	Compliance with Schedule 4 Part 1 (The cigarette test) of The Furniture and Furnishings (fire) (safety) Regulations 1988 (as amended).	Complies
Note: Fabric was submitted for test rather than the upholstery composite so as suggested by The Guide to the Furniture Regulations the cover fabric was tested for cigarette resistance using standard polyurethane foam (non-modified) as this will give the furniture manufacturer a good indication of its likelihood to pass the cigarette test for the finished article			
BS 5852: Part 1: 1979, Ignition source 1 (Match)	None	Compliance with Schedule 5 Part 1 (The match test) of The Furniture and Furnishings (fire) (safety) Regulations 1988 (as amended).	Complies



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FLAMMABILITY TEST REPORT

Test Specification

Test Method: BS 5852: Part 1: 1979 as modified by Schedule 4 Part 1 & Schedule 5 Part 1 of The Furniture and Furnishings (fire) (safety) Regulations 1988 (as amended).
Ignition Source: Ignition source 0: Filterless cigarette
Ignition source 1: Butane Gas flowing at 45ml/min @ 25°C.
Flame Application Time: 20±1 seconds
Side Tested: Face

Uncertainty of Measurement

The uncertainty of measurement for Schedule 4 Part 1 source 0 has been estimated to be 0.03%

The uncertainty of measurement for Schedule 5 Part 1 source 1 has been estimated to be 5.43%

Filling Specification

Filling Type: Polyurethane foam
Supplier / Grade: Carpenter / RP21130 unmodified
Size: 450 X 300 X 75mm (back) & 450 X 150 X 75mm (seat)
Density / Hardness: 20-22 kg/m³ / Type B, 130N

Pre-treatment / Durability Procedure

None

Conditioning

Prior to Testing: At least 72 hours in ambient indoor conditions, then at least 16 hours in an atmosphere having a temperature of 20±5°C and a relative humidity of 50±20%
At Time of Testing: Temperature between 15°C & 30°C. Relative humidity between 20% & 70%

Test Results

"The following test results relate only to the ignitability of the combinations of materials under the particular conditions of test; they are not intended as a means of assessing the full potential fire hazard of the materials in use."

Ignition source 0 (Test 1):	The cigarette failed to burn its complete length, there was no flaming or progressive smouldering. (Pass)
Ignition source 0 (Test 2):	The cigarette failed to burn its complete length, there was no flaming or progressive smouldering. (Pass)
Ignition source 1 (Test 1):	Flaming ceased with the removal of the burner, there was no progressive smouldering. (Pass)
Ignition source 1 (Test 2):	Flaming ceased with the removal of the burner, there was no progressive smouldering. (Pass)

Conclusions

The composite tested meets the requirements of Schedule 4 Part 1 (The cigarette test) of The Furniture and Furnishings (fire) (safety) Regulations 1988 (as amended). **PASS.**

The fabric tested meets the requirements of Schedule 5 Part 1 (The match test) of The Furniture and Furnishings (fire) (safety) Regulations 1988 (as amended). **PASS.**

FLAMMABILITY TEST REPORT

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The reported expanded uncertainty is based on a standard uncertainty multiplied by a coverage factor of $k = 2$, providing a level of confidence of approximately 95 %. Unless otherwise specified all compliance and pass/fail statements are binary simple acceptance based on the tolerance interval and, with the exception of graded methods, a test uncertainty ratio greater (TUR) than 4:1. For graded methods the TUR will drop to as low as 0.5:1 when the tolerance limits are within a grade division of the upper scale limit. The Uncertainty budgets are stated for each Test method, these are for reference, and should be considered when results are on or close to Specification Limits / Requirements and in such cases it should be noted that the risk of false acceptance or rejection may be as high as 50%, for further information please refer to ILAC G8.

FLAMMABILITY TEST REPORT

Report No.: LEI22020146C **Date Received:** 01/02/22 **Date Tested:** 07/02/22 **Date Issued:** 07/02/22

Company Name & Address: YARWOOD LEATHER
UNIT B
TREEFIELD IND. EST.
GILDERSOME
LEEDS
LS27 7JU

Contact Name: JOHN EDWARD

Sample Details

Reference No.: Not stated
Order No.: PP2076
Style No.: Not stated
Batch No.: Not stated
Quality: ODYSSEY
Colour: Not stated
Supplier: Not stated
Intended Use: Not stated
Quoted Fibre Composition: Not stated
Retailer: Not stated
Buying Division: Not stated
Sample Description: Brown coloured leather

Test Method	Pre Treatment	Flammability Performance Requirements	Result
IMO FTP Code (2010) – Annex 1, Part 8 (Smouldering cigarette test)	None	IMO FTP Code (2010) – Annex 1, Part 8	PASS
IMO FTP Code (2010) – Annex 1, Part 8 (Propane flame test)	None	IMO FTP Code (2010) – Annex 1, Part 8	PASS



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FLAMMABILITY TEST REPORT

Additional Information (Annex)

Name and Address of the Sponsor: Not stated
Name and Address of the
Manufacturer/Supplier (If known): Not stated
Type of Furniture: Not stated
Fabric Details – Weave/Density/Yarn
count/thickness(mm)/mass(g/m²) Colour &
Tone: Not stated
Fire Retardant Treatment: No

Test Specification

Test Method: IMO FTP Code (2010) – Annex 1, Part 8
Ignition Source: Ignition source 0: Filterless cigarette
Ignition source 1: Propane Gas (95% Purity) flowing at 6.38±0.25 g/hour @
20°C.
Flame Application Time: 20±1 seconds
Side Tested: Face

Uncertainty of Measurement

The uncertainty of measurement for ignition source 0 has been estimated to be 0.03%
The uncertainty of measurement for ignition source 1 has been estimated to be 5.43%

Cigarette Specification

Cigarette Type: Filterless cigarette
Dimensions: Length: 70±4 mm
Diameter: 8±0.5 mm
Mass: 0.95±0.15 g
Smouldering Rate: 11±4.0 min/50mm

Filling Specification (As requested by the customer)

Filling Type: Polyurethane Foam
Supplier / Grade: Carpenter / RP21130 Unmodified
Size: 450 X 300 X 75mm (back) & 450 X 150 X 75mm (seat)
Density / Hardness: 20-22 kg/m³ / Type B, 130N

Pre-treatment / Durability procedure

None. Tested as received

Conditioning

Prior to Testing: At least 72 hours in ambient indoor conditions, then at least 16 hours in an
atmosphere having a temperature of 23±2°C and a relative humidity of 50±5%
At Time of Testing: Temperature between 15°C & 25°C. Relative humidity between 20% & 70%

FLAMMABILITY TEST REPORT

Test Results

"The test results relate to the behaviour of the test specimens of a product under the particular conditions of the test; they are not intended to be the sole criterion for assessing the potential fire hazard of the product in use."

Cigarette Test	Initial		Repeat	
Criterion of Ignition				
Smoulders More Than 1 Hour	No		No	
In Final Examination, Presence of Active Smouldering	No		No	
Occurrence Of Flames	No		No	
Comments				
Flaming Ceased	-		-	
Glowing Ceased	-		-	
Smoke Ceased	The cigarette failed to burn its complete length, there was no flaming or progressive smouldering		The cigarette failed to burn its complete length, there was no flaming or progressive smouldering	
Extent of Damage (Burning and/or Charring)				
Damage to Back (mm) Length / Width	-	-	-	-
Damage to Base (mm) Length / Width	-	-	-	-
Result	PASS		PASS	

Propane Flame Test	Initial		Repeat	
Criterion of Ignition				
Smoulders More Than 1 Hour	No		No	
In Final Examination, Presence of Active Smouldering	No		No	
Flames For Longer Than 120 Seconds	No		No	
Comments				
Flaming Ceased	0 Seconds		0 Seconds	
Glowing Ceased	-		-	
Smoke Ceased	5 Seconds		6 Seconds	
Extent of Damage (Burning and/or Charring)				
Damage to Back (mm) Length / Width	65	13	65	13
Damage to Base (mm) Length / Width	10	10	10	10
Result	PASS		PASS	

Conclusions

When tested over RP21130 foam (as requested by the customer) the sample meets the flammability performance requirements of the smouldering cigarette test in FTP Code (2010) – Annex 1, Part 8. **PASS.**

When tested over RP21130 foam (as requested by the customer) the sample meets the flammability performance requirements of the propane flame test in FTP Code (2010) – Annex 1, Part 8. **PASS.**

FLAMMABILITY TEST REPORT

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Get in touch

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