KASWELD

UL LISTED

Data Sheet

Safety Fire Blanket - Part No. KASFBPVCO043150

KASWELD Safety Fire Blanket is easy to use and are suitable for putting out small fires and excellent first extinguisher in a plants, industry or home. The fire blanket can be released and cover the flame in less than 30 seconds!

A fire blanket is a highly flame-resistant blanket that can be used to extinguish a small fire or to wrap around a person in case of a fire. Fire blankets are made from 2 layers of woven glass fibre fabric and an inner layer of fire-retardant film. They work by cutting off the oxygen supply to the fire. KASWELD is a Fire Blanket specifically designed and manufactured to the new International Standard for Fire Blankets. KASWELD has better drapability than ever before whilst the efficient and durable Fire Blanket gives outstanding extinguishing power.

Product Identification Section

Product Name:	Safety Fire Blanket
Product Group:	Fire Extinguisher
Product Size Specification:	1 Meter X 50 Meter X 0.45 MM
Manufacture / Supplier	KASWELD
Synonyms:	PVC
Service Temperature	<260° C
Packaging	Roll / Carton Boxs
Weight (g/m)	480+-10
L. O. I. %	<1.0%
CHARACTERESIC	TX500
Certificate	EN 1869:2019 CE

UL LISTED

Material Report KASFBPVCO043150

YARN	WRAP	CC9 134Tex
YARN	WEFT	CC9 134Tex
THREAD COUNT	WRAP	12+-1 PER CM
THREAD COUNT	WEFT	10+-1 PER CM
TENSIL STRENGTH	WRAP	3000N/5CM
TENSIL STRENGTH	WEFT	2200N/5CM

How to use.

We recommend that to have fire blankets that are 0.45 MM X 1 Meter X 0.50 Meter in size. This size is ideal for you to protect yourself while putting out a fire and to smother appliances and this way at least stop the fire from spreading further.

To extinguish a clothing fire:

1. Quickly wrap fire blanket around victim.
2. Drop the victim to the ground.
3. Roll the victim on the ground until the fire is out.
4. Seek medical attention; While using a fire blanket.

Please take following steps:

1. Pull down tabs to release the fire blanket.
2. Place the fire blanket over cooking fat fires, keeping hands and face protected behind it.
3. Turn off the heat source.
4. Leave the fire blanket over burnt area for at least 15 minutes or until the heat has dissipated.
5. Call the fire brigade.

Please keep in mind that a fire blanket may not work on especially deep grease fire. While the blanket itself probably won't burn, the grease may seep through and start burning again above the blanket. As in any fire situation, always alert others to the fire and make sure you have a safe escape route in case the fire is too big or spreads beyond your control.
Fire blankets are only suitable for one use and will need to be replaced after each application. Always discard a fire blanket that has been used or is broken and get a new one to replace it.

Our Locations

China

No.3, Fuan Huayuan, Pingdu, Qingdao, China

USA

17599, Paxton Ave Lansing, Illinois 60438 – USA

India

No.104, 1st Floor, Premier Presidency, Langford Road, Bengaluru 560052

info@kasweld.sa

www.kasweld.sa

January 09, 2025

Dongsheng Liu
ShangQiu Huanyu Fiberglass Co LTD
East Of National Highway 105, Feuggiao Town, Suiyang District
Shangqiu, HenanSheng, 476005
CN

Our Reference: 4791550635

Subject: Report Of Surface Burning Characteristics Tests On Samples As Submitted By Shangqiu Huanyu fiberglass Co LTD

Dear Mr. Liu

This is a Report summarizing the results of a test conducted under the Commercial Inspection and Testing Services (CITS) program of UL LLC (UL) identified as Assignment No. 4791550635.

GENERAL:

The results relate only to items tested.

METHOD:

Each test was conducted in accordance with Standard ANSI/UL723, Eleventh Edition, dated April 27, 2023, "Test for Surface Burning Characteristics of Building Materials".

The test determines the Surface Burning Characteristics of the material, specifically the flame spread and smoke developed indices when exposed to fire.

The maximum distance the flame travels along the length of the sample from the end of the igniting flame is determined by observation. The Flame Spread Index of the material is derived by plotting the progression of the flame front on a time-distance basis, ignoring any flame front recession, and using the equations described below:

A. $CFS = 0.515\ A_T$ when A_T is less than or equal to 97.5 minute-foot.

B. $CFS = 4900/(195-A_T)$ when A_T is greater than 97.5 minute-foot.

Where A_T = total area under the time distance curve expressed in minute-foot.

The Smoke Developed Index (SDI) is determined by rounding the Calculated Smoke Developed (CSD) as described in UL 723. The CSD is determined by the output of photoelectric equipment operating across the furnace flue pipe. A curve is developed by plotting the values of light absorption (decrease in cell output) against time. The CSD is derived by expressing the net area under the curve for the material tested as a percentage of the area under the curve for heptane.

The CSD is expressed as:

$CSD = (A_m/A_h) \times 100$

Where:

CSD = Calculated Smoke Developed
A_m = The area under the curve for the test material.
A_h = The area under the curve for heptane.

SAMPLES:

The samples utilized in this investigation were neither prepared nor selected by a Laboratories' representative such that no verification of composition can be provided.

Sample Description

Test No.	System
1	Fiberglass Cloth

Due to the rigidity of the test samples, supplementary means of support was not required.

RESULTS:

The results are tabulated below are considered applicable only to the specific samples tested.

Data sheets and graphical plots of flame travel versus time and smoke developed versus time are also enclosed.

Table 1: Test Summary

Test No.	Test Code	Sample Description	CFS Calculated Flame Spread	FSI Flame Spread Index	CSD Calculated Smoke Developed	SDI Smoke Developed Index
1	NTN12182 404	Fiberglass Cloth	0	0	1.8	0

The Classification Marking of UL on the product is the only method provided by UL to identify products which have been produced under its Classification and Follow-Up Service. No use of a Classification Marking has been authorized as a result of this investigation.

Since the anticipated work has been completed, we have instructed our Accounting Department to terminate the investigation and invoice you for the charges incurred to date.

Should you have any questions, please contact the undersigned.

Very truly yours

Sienna Shi
Engineer Project Associate
Built Environment

Reviewed by:

Courtney Hudson
Project Engineer
Built Environment

					NTN12182
Project:	4791550635	File:	NC	TestCode:	404
Tested by:	Abran Garcia	Engineer:	Sienna Shi	Date:	2024-12-18

TEST METHOD: The test was conducted in accordance with UL 723, Eleventh Edition (2023-04-27).

Client Name:	Shangqiu Huanyu fiberglass Co LTD				
Test Duration	10 minutes	Test No.:	1	Hot Test:	No
Mounting:	Self	Test Type:	New Work- Developmental	Burn-Out Required:	No

Test Sample: Fiberglass Cloth

FLAME SPREAD RESULTS

Flame Spread Data

Distance (Feet)		**Time (Sec)**

Calculated Flame Spread (CFS): 0.00
Flame Spread Index (FSI): 0

Time to Ignition (sec): None
Maximum Flame Spread (ft): 0.0
Area Under the Flame Spread Curve (ft.-min): 0.0

SMOKE RESULTS

Calculated Smoke Developed (CSD): 1.8
Smoke Developed Index (SDI): 0

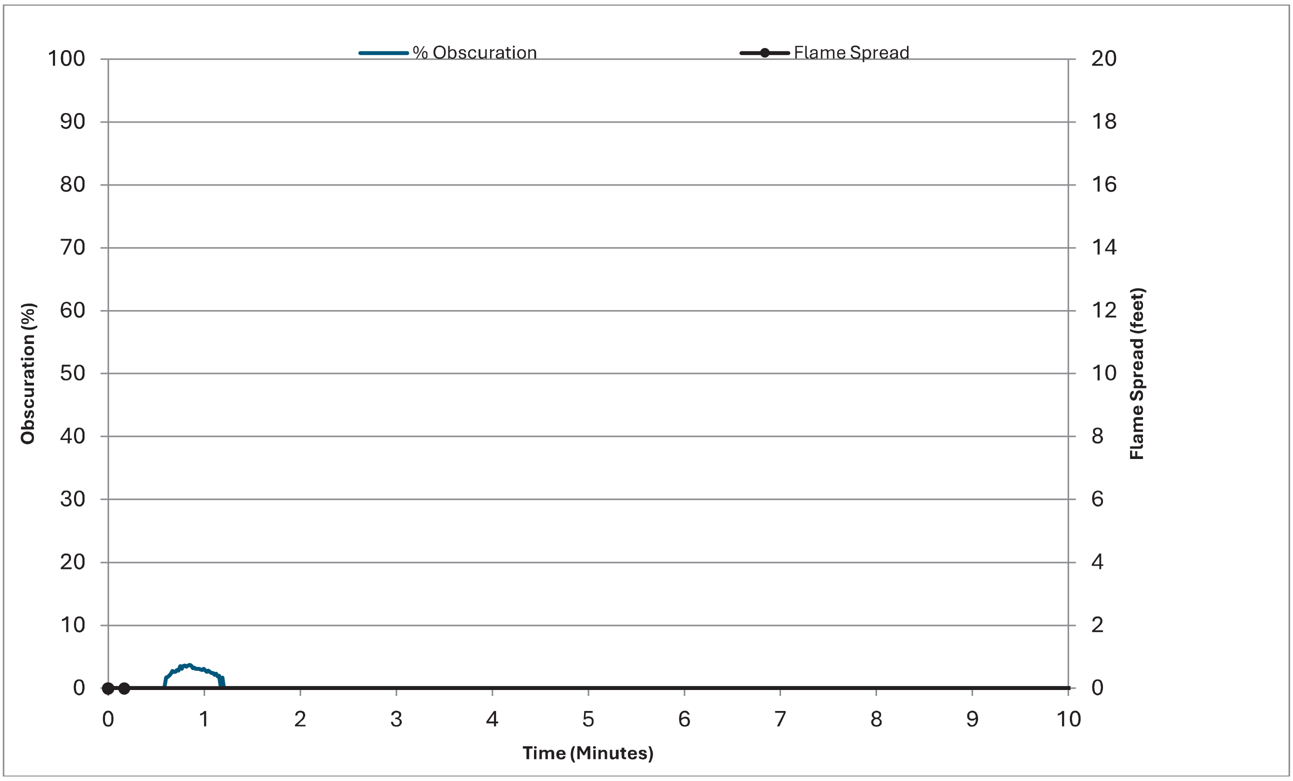
Area Under the Smoke Curve (Obs-min.): 1.67
Area Under Heptane Curve (Obs-min.): 93.19

Post-Test Observations

Discoloration (Feet From Burner): 24
Char (Feet From Burner): 8

Flame Spread / Smoke Results

Shangqiu Huanyu fiberglass Co LTD
Fiberglass Cloth



Test Num.: 1
NC / 4791550635
NTN12182404

Flame Spread Index: 0
Smoke Developed Index: 0
Max. Flame Spread (ft.): 0.0

Part/ Componet List

Model:
KASFBW051818BX/KASFBW05150/KASFBSCS04100/
KASFBSCS04150/KASFBG1150 /KASFBPVC043150/KASFBBT051818/KASFBW5150/
KASFBSCG05150/KASFBSCG051550 /KASFBG1150/KASFBPVC043150/KASFBHS659225.