

Number : WUXH00085289S1

Applicant : K-FLEX MALAYSIA SDN BHD  
LOT 2752 JALAN RAJA NONG, TAMAN  
KLANG JAYA, 41200 KLANG, SELANGOR D.E.,  
MALAYSIA  
Attn : HANK ZHOU

Date : Apr 24, 2019  
This Is To Supersede Report No.  
WUXH00085289 Dated Apr 23,  
2019

Sample Description:

One (1) Piece Of Submitted Sample Said To Be : **Dark Grey Foam.**

Item Name : CROSS LINKED CLOSED CELL POLYOLEFIN FOAM INSULATION.  
Model : K-FLEX K-PROTECT.  
Specification : 25mm TK.

Tests Conducted:

As Requested By The Applicant, For Details Refer To Attached Page(s).

Prepared And Checked By:  
For Intertek Testing Services Wuxi Ltd.

*Yuko Qiu*

Yuko Qiu  
Chemical Lab Manager



Tests Conducted (As Requested By The Applicant)

1 Total volatile organic compounds content analysis

With Reference To ASTM D5116-10, The Sample Was Tested In The Emission Test Chamber. After Defined Times Samples Of The Chamber Air Were Collected On Sorbent Tubes (Tenax TA & DNPH Cartridge) VOCs Were Detected By Automatic Thermal Desorption-Gas Chromatography /Mass Spectrometric (ATD-GC/MS). Formaldehyde And Other Carbonyl Compound Was Identified And Quantified By DNPH Derivitization And Detected By High Performance Liquid Chromatography-Diode-Array Detector (HPLC/DAD).

**Parameters of the emission chamber test:**

Chamber type: 0.060 m<sup>3</sup> stainless steel chamber  
Climatic conditions: 23°C, 50% R.H  
Air exchange: 1 h-1  
Loading factor: 1.0 m<sup>2</sup>/m<sup>3</sup>  
Sampling: Tenax TA & DNPH cartridge

Compound Identified	CAS No.	Chamber concentration after 24h (µg/m <sup>3</sup> )	Detection Limit(µg/m <sup>3</sup> )
Individual VOC compound	/	ND	2
TVOC**	/	ND	20
Formaldehyde*	50-00-0	ND	5

Remarks: TVOC = Total volatile organic compounds. Substances in the range of C6 to C16.

\* = indicates compound identified and quantified by DNPH derivitization and HPLC/DAD analysis.

\*\* = Denotes quantified using the Relative Response Factor to toluene for the compound.

According To The Test Results, The Test Sample Is Said To Be Low VOC Emission Tested Under Standard ASTM D5116-10.

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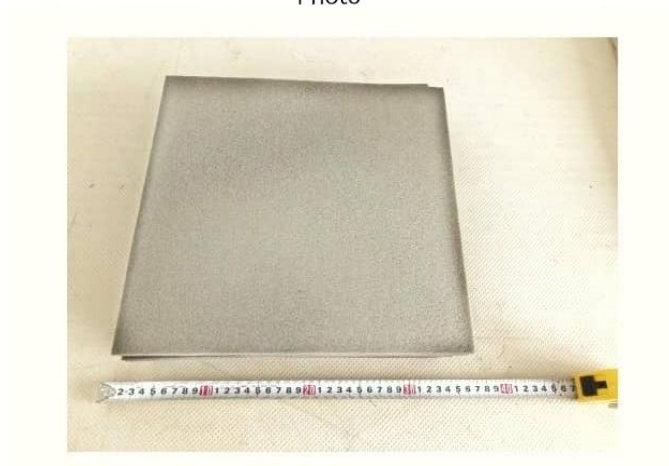


Out

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Tests Conducted (As Requested By The Applicant)

Photo



End of Report

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