

Certificate No. SH-18-103921

Date: January 23, 2018

TEST CERTIFICATE

Requested: SHANGHAI XIANGYI INDUSTRIAL CO.,LTD
 Sample: FABRIC
 Test Items: Spectral Emissivity of Far infrared Radiation
 Received: January 22, 2018

This is to certify that the results of laboratory test applied on the sample are as follows;

No.	Sample *	Integrated Spectral Emissivity(%)	The section
1. 編 地<Grey(対象品)>		77.4 (+9.9)	5.0~5.7 5.8~6.8 7.0~7.2 10.0~12.2 13.4~13.8
2. 編 地<Navy(比較品)>		70.4	-----

* no.1:Three pieces of fabric was piled up. No.2:Eight pieces of fabric was piled up.

():Increase ratio compared with unfinished product.

Test method:: Applied FT-IR method developed by Japan Far Infrared Rays Association(JIRA).
 •Range of integrated wavelength: 5~20μm •Temperature: 40℃
 •Surface determined: back side surface

Increase ratio compared with unfinished product is calculated as follows

$$\frac{([\text{Spectral Emissivity of finished product}] - [\text{Spectral Emissivity of unfinished product}])}{[\text{Spectral Emissivity unfinished product}]} \times 100(\%)$$

The section is range of wavelength. It is that increase ratio of spectral emissivity of finished product and one of unfinished product is larger than 10%. Formula mentioned above is used for calculation.

No.1:Name of product(HEATSOFT) Style number(B50<H7-1231>) Count(1/35<1/28>) Composition(W5NY15A80)

No.2:Name of product(100%acrylic) Style number(D51) Count(17/1) Composition(A100)

All of the data is reproduced from(SH-17-161654) is used 2017/12/27 by ShangHai KAKON

Sample

No.1:Grey

No.1:Navy

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Kaken Test Center
 General Incorporated Foundation
KAKEN SHANG HAI

Inspector: Takehiro Shiozaki