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CENTRE FOR TEXTILE SCIENCE AND ENGINEERING

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TEST REPORT 18-0384-02

Translation of test report 18-0384-01 from 9 April 2018

Samples received :

Name	***Date of receipt***
BLAZE	30/03/2018

Aim of the test :

Determination of the thermal resistance

Test conditions :

Thermal resistance

Standard:	ISO 8302 (1991)*, EN 12667 (2001)*
Method:	1 plate method: λ - meter EP 500 A sample is placed between a cold and a warm plate. The cold and the warm plate are kept at constant temperature. The amount of energy needed to keep the temperature of the warm and cold plate constant, is an indication for the heat transmission through the sample. λ : thermal conductivity R: thermal resistance
Pre treatment	None
Number of tests:	1 measurement per temperature
Test conditions:	20 ± 2°C and 65 ± 4 % relative humidity

The tests were finished in week 14/2018.

BELAC
ISO/IEC17025
055-test

OBTAINED RESULTS

Thermal resistance

Thickness sample : 6.1 mm measured at a pressure of 1000 Pa (to keep out the air)

Temperature	Temperature difference (K)	R (m^2.K/W)	λ (mW/m.K)
23	10 K	0.041	148.65
28	10 K	0.040	152.16
33	10 K	0.040	154.11
Average		**0.040**	**151.64**
CV (%)		*1.8*	*1.8*

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