AWTA PRODUCT TESTING

Australian Wool Testing Authority Ltd - trading as AWTA Product Testing
A.B.N 43 006 014 106
1st Floor, 191 Racecourse Road, Flemington, Victoria 3031
P.O Box 240, North Melbourne, Victoria 3051
Phone (03) 9371 2400

TEST REPORT

Client : K-FLEX MALAYSIA SDN BHD
Lot 2752 Jalan Raja Nong
Selangor D.E. Malaysia
Malaysia

Test Number : 20-004992
Issue Date : 09/10/2020
Print Date : 12/10/2020
Order Number : 7774

Sample Description

Clients Ref : "K-Flex St""
Flexible rubber sheet
Colour : Black
End Use : Insulation
Nominal Composition : Nitrile bonded rubber
Nominal Thickness : 25mm

ASTM C518-2017 **Steady-State Thermal Transmission Properties by Means of the Heat Flow Apparatus**

Test Date	09/10/2020	
Test Apparatus	Lasercomp Fox 314	
Sample Orientation	Horizontal	
Heat Flow Direction	Up	
Mean Test Temperature	23	°C
Temperature Differential	20	°C
Estimated uncertainty in results	3.1	%

46933

NATA Accredited for compliance with ISO/IEC 17025

0204/11/06

APPROVED SIGNATORY

MICHAEL A. JACKSON B.Sc.(Hons)
MANAGING DIRECTOR

AWTA LIMITED

AWTA PRODUCT TESTING

Australian Wool Testing Authority Ltd - trading as AWTA Product Testing
A.B.N 43 006 014 106

1st Floor, 191 Racecourse Road, Flemington, Victoria 3031
P.O Box 240, North Melbourne, Victoria 3051
Phone (03) 9371 2400

TEST REPORT

Client : K-FLEX MALAYSIA SDN BHD
Lot 2752 Jalan Raja Nong
Selangor D.E. Malaysia
Malaysia

Test Number : 20-004992
Issue Date : 09/10/2020
Print Date : 12/10/2020
Order Number : 7774

Average Thermal Gradient	848.0	
Thermal Conductivity 50/90	0.034	W/m.K
R Value 50/90	0.69	m²K/W

The calibration of the Heat Flow Apparatus was checked immediately prior to the commencement of the test.

Thermal Conductivity 50/90 and R Value 50/90 calculated in accordance with AS 4859.1-2018, Clause 2.3.3.5

NATA

Accredited for compliance with ISO/IEC 17025

MICHAEL A. JACKSON B.Sc.(Hons)
MANAGING DIRECTOR

APPROVED SIGNATORY

AWTA LIMITED

AWTA PRODUCT TESTING

Australian Wool Testing Authority Ltd - trading as AWTA Product Testing
A.B.N 43 006 014 106
1st Floor, 191 Racecourse Road, Flemington, Victoria 3031
P.O Box 240, North Melbourne, Victoria 3051
Phone (03) 9371 2400

TEST REPORT

Client : K-FLEX MALAYSIA SDN BHD
Lot 2752 Jalan Raja Nong
Selangor D.E. Malaysia
Malaysia

Test Number : 20-004992
Issue Date : 09/10/2020
Print Date : 12/10/2020
Order Number : 7774

Specimen	1	2	3	4	5	6	7	8	9	10	
Specimen Thickness (as received)	23	24	24	23	24	24	23	23	23	24	mm
Specimen Thickness (as tested)	23	24	24	23	24	24	23	23	23	24	mm
Specimen Density (as received)	55	56	54	54	54	54	54	54	55	56	kg/m³
Test Duration	00:30	00:26	00:25	00:25	00:26	00:25	00:30	00:26	00:26	00:25	hrs:mins
Measured Heat Flux	29.7	27.8	28.4	29.0	28.5	28.6	29.0	29.0	28.3	27.9	W/m²
Measured Thermal Conductance	0.1483	0.1392	0.1422	0.1450	0.1424	0.1428	0.1448	0.1449	0.1463	0.1394	W/m²K
Measured Thermal Conductivity	0.0338	0.0339	0.0338	0.0338	0.0339	0.0338	0.0338	0.0338	0.0339	0.0339	W/m.K
Measured Resistance	0.67	0.72	0.70	0.69	0.70	0.70	0.69	0.69	0.68	0.72	m²K/W

46933

NATA Accredited for compliance with ISO/IEC 17025

0204/11/06

APPROVED SIGNATORY

MICHAEL A. JACKSON B.Sc.(Hons)
MANAGING DIRECTOR

AWTA LIMITED