

**ANALYSIS REPORT**  
**SCC Accreditation No.: 40‡**

Mr. Steve Sennik

Date: April 6, 2020

**DMX Plastics Limited**


Report: 4701-022S-3A-en

IDENTIFICATION:	Testing of Laminate floor underlayment per NALFA Specification: DMX 1-Step 2.0 Received: April 6, 2020	
STANDARD:	NALFA - Specifications and test methods for Laminate Floor Underlayment	NALFA UL 01-2015
TEST:	Steady-State Thermal Transmission Properties by Means of the Heat Flow Meter Apparatus	ASTM C518-17‡
TEST CONDITIONS:	Apparatus used: Laser Comp. Heat Flow Meter Instrument FOX304; Date of test: January 16 and 17, 2020	


RESULTS:	Individual Data			Avg.	S.D.	% CV
Lower temperature (°C):	35.01	35.01	35.01	<b>35.01</b>	0.00	<b>0.0</b>
Upper temperature (°C):	12.01	12.01	12.01	<b>12.01</b>	0.00	<b>0.0</b>
Mean temperature (°C):	23.51	23.51	23.51	<b>23.51</b>	0.00	<b>0.0</b>
Specimen thickness (mm):	4.73	4.81	4.70	<b>4.75</b>	0.06	<b>1.2</b>
Mean conductivity (W / (m.K):	0.0474	0.0478	0.0477	<b>0.0476</b>	0.0002	<b>0.4</b>
Thermal resistance (m².K) / W):	0.09979	0.1006	0.09853	<b>0.09964</b>	0.00104	<b>1.0</b>
Thermal resistance ((hr.°F.ft²) / BTU) - "R value":	0.5666	0.5714	0.5595	<b>0.5658</b>	0.0060	<b>1.1</b>
Thermal conductance (W / (m².K):	10.02	9.938	10.15	<b>10.04</b>	0.11	<b>1.1</b>
Thermal conductance (BTU / (hr.°F.ft²)):	1.765	1.750	1.787	<b>1.767</b>	0.019	<b>1.1</b>
Density (kg/m³):	144.7	142.5	153.3	<b>146.8</b>	5.7	<b>3.9</b>

REQUIREMENTS: Thermal Resistance (R-value) requirement: none

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Date: April 6, 2020

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