

**ASTM E648 TESTING  
FOR  
SENSO NEW YORK LLC  
ON  
BIOPOLYMER RESIN  
VTEC #100-7821  
TESTED: OCTOBER 26, 2023**



# VTEC Laboratories Inc.

October 26, 2023

Client: Senso New York LLC  
752 Ramsey Ave  
Hillside, NJ 11231

Attention: Alan Kahn

**SUBJECT:**

Standard Test Method for Critical Radiant Flux of Floor-Covering Systems Using a Radiant Heat Energy Source according to ASTM E648 specification.

**DISCLAIMER:**

This is a factual report of the results obtained from the laboratory test of sample products. The results may be applied only to the products tested and should not be construed as applicable to other similar products of the manufacturer. The report is not a recommendation or a disapprobation by VTEC Laboratories Inc., of the material tested. While this report may be used for obtaining product acceptance, it may not be used in advertising.

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**Material Tested:**

1) Product Description:	Biopolymer Resin
2) Supplier:	Senso New York LLC
3) Specimen Composition:	Homogeneous
4) Average Thickness:	0.15 in.
5) Color:	Brown
6) Method of Mounting:	Self-supporting
7) Flux Profile Date:	10/26/23

**Test Results:**

	<b>Sample #1</b>	<b>Sample #2</b>	<b>Sample #3</b>
1) Specimen preheat Time (mins)	5:00	5:00	5:00
2) Total Burn Length (cm)	50	85	59
3) Time to Maximum Burn Length (mins)	14:51	32:52	16:42
<u>4) Critical Radiant Flux (W/cm<sup>2</sup>)</u>	<b>0.39</b>	<b>0.13</b>	<b>0.29</b>
5) Average Critical Radiant Flux (W/cm <sup>2</sup> )	0.27		
6) Standard Deviation	0.131		
7) Coefficient of Variation (%)	48.57%		

**Observations:** No premature ignition during the initial 5 minute heating period, there was observed blistering, delamination, and melting, no shrinking.



Neil Schultz  
Executive Director



Amirudin Rahim  
Technical Director