



# TVC

## Introducing: **SNAP BRIM**

# **Arc-Tested Sun Brim**

## **High Quality, Single-Piece, and Durable**



- **Arc Tested** to ASTM F2178 Standards:
  - Up to 33 cal/cm<sup>2</sup> - No Melt and No drip
  - Up to 44 cal/cm<sup>2</sup> - No Ignition
- **Easy, Fast, Hassle-Free** - Attaches / Detaches in Seconds
- **Light weight** - No long-term wearer fatigue
- **Durable** - Remove and re-attach multiple times without risk of breaking
- **Secure** - Stays firmly attached in windy environments - no flapping!
- **Maximum Protection** - Detachable, flame-resistant Nomex® Neck Flap for max UV protection
- **Weather Resistant** - Best Snow, Rain, and Sun protection
- **Long Lasting** - lasts an average of 1-2 years with regular use
- **Expertly Designed** - by a former Workplace Health and Safety Equipment Specialist with over thirty years experience.
- **Looks Good** - Most users say, "It looks like a cowboy hat!"
- **Full-Brim or Cap-Style** - Specify hard hat style when ordering

### **SNAP BRIM:** **Arc-Tested Sun Brim**

Cap-Style (Item #: HL101CP) / Full-Brim (Item #: HL101FB)

## **Snap Brim**

### **Snap Brim Features:**



**Arc Tested  
Protection**



**UV  
Protection**



**Weather  
Protection**



**Heat  
Protection**



**Sun  
Protection**



**Top  
Quality**



**Fast  
Installation**



**Outstanding  
Durability**

**Not Your Flimsy Sun Brim ~ Designed for Quality and Long, Lasting Durability**

**TVC Communications**  
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# SNAP BRIM

## Product Specifications

The results of testing to ASTM F2178 have been documented in Kinectrics Report Number K-418712-1411F12-R01.

ASTM F2178 is designed to evaluate hoods, faceshields and head protection. This device does not cover the face and could only be evaluated for melting.

This is NOT a protective device but was evaluated for a limiting level at which this device would not harm a worker by igniting or melting. The Melt50 is not part of the ASTM standard but has been used for hardhats and faceshields as a threshold of failure point. Some safety factor should be used since this is the beginning of melting failure of this device.

The fabric is arc rated and will not increase injury. The plastic ring is the failure point. There was NO ignition failure on this device in the exposures from 27.7 cal/cm<sup>2</sup> to 44 cal/cm<sup>2</sup>.

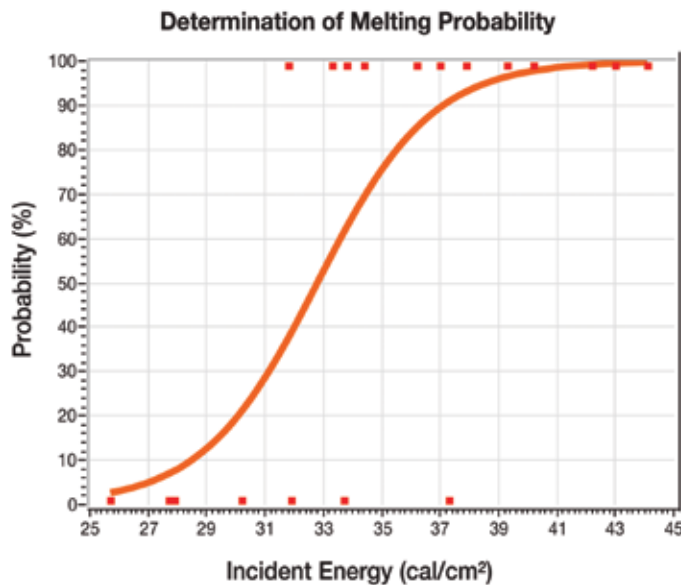
*Tested by the Team of ArcWear*

### 50% Probability of Melting (Melt50) = 33 cal/cm<sup>2</sup>.



#### Determination of Melting by performing logistic regression on the mannequin energy exposure as indicated in Summary Table

Test performed using test set up: ASTM F2178-12



Probability	Ei
5%	27.0
10%	28.5
20%	30.1
30%	31.1
40%	32.0
50%	32.8
60%	33.6
70%	34.5
80%	35.5
90%	37.1

(Note: ATPV is reported to nearest integer for ratings above 10 cal/cm<sup>2</sup>)

Total points analyzed = 20  
 Points above Stoll = 13  
 Points above mix zone = 6  
 Points below mix zone = 4  
 # Pts within 20% = 15  
 # Pts in mix zone = 10



### Tested to ASTM F2178 with NO Ignition to 44cal/cm<sup>2</sup>



#### Summary of Measured Energy and Observations

Test performed using test set up: ASTM F2178-12

Test #	Panel	Test Current A	Cycles of 60Hz	Ei Cal/cm <sup>2</sup>	SCD Cal/cm <sup>2</sup>	HAF %	>Stoll Y/N	Break Open Y/N	Ablation Y/N	After Flame sec.	Omit Y/N	Comment
1	K-418712-0431	A	7910	36.3	27.8		No	-	-	-	No	Some charring and melting. Slight sagging, no dripping.
2	K-418712-0431	B	7990	36.3	25.7		No	-	-	-	No	Some charring and melting. Slight sagging, no dripping.
3	K-418712-0432	A	7880	40.3	30.2		No	-	-	-	No	Some charring and melting. Moderate sagging, no dripping.
4	K-418712-0432	B	7880	40.3	31.9		No	-	-	-	No	Some charring and melting. Moderate sagging, no dripping.
5	K-418712-0433	A	7878	45.3	27.7		No	-	-	-	No	Some charring and melting. Moderate sagging, no dripping.
6	K-418712-0433	B	7878	45.3	33.7		No	-	-	-	No	Some charring and melting. Moderate sagging, no dripping.
7	K-418712-0434	A	7887	50.2	37.3		No	-	-	-	No	Some charring and melting. Moderate sagging, no dripping.
8	K-418712-0434	B	7887	50.2	36.2		Yes	-	-	-	No	Melting and charring. Moderate sagging, no dripping.
9	K-418712-0435	A	7882	52.2	39.3		Yes	-	-	-	No	Melting and charring. Moderate sagging, no dripping.
10	K-418712-0435	B	7882	52.2	33.3		Yes	-	-	-	No	Melting and charring. Moderate sagging, no dripping.
11	K-418712-0436	A	7917	55.2	43.0		Yes	-	-	-	No	Melting and charring. Moderate sagging, no dripping.
12	K-418712-0436	B	7917	55.2	37.0		Yes	-	-	-	No	Melting and charring. Moderate sagging, no dripping.
13	K-418712-0437	A	7907	53.2	40.2		Yes	-	-	-	No	Melting and dripping. Severe charring and sagging.
14	K-418712-0437	B	7907	53.2	36.2		Yes	-	-	-	No	Melting and charring. Moderate sagging, no dripping.
15	K-418712-0438	A	7968	51.3	44.1		Yes	-	-	-	No	Melting and charring. Severe sagging and flowing, but no dripping.
16	K-418712-0438	B	7968	51.3	33.8		Yes	-	-	-	No	Melting and charring. Severe sagging and flowing, but no dripping.
17	K-418712-0439	A	7964	49.3	37.9		Yes	-	-	-	No	Melting and charring. Moderate sagging, no dripping.
18	K-418712-0439	B	7964	49.3	31.8		Yes	-	-	-	No	Melting and charring. Moderate sagging, no dripping.
19	K-418712-0440	A	7944	54.2	42.2		Yes	-	-	-	No	Melting and dripping. Severe charring and sagging.
20	K-418712-0440	B	7944	54.2	34.4		Yes	-	-	-	No	Melting and charring. Severe sagging and flowing, but no dripping.

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