

HEAT

veelo BLANKET

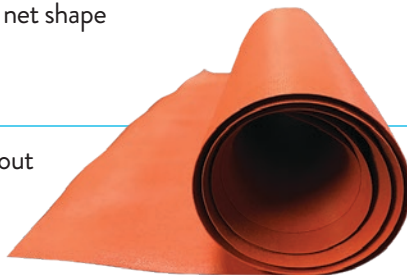
VeeloHEAT
Blanket is a non-metallic heating solution for advanced composite applications that demand excellent thermal uniformity, drapability and durability.

FEATURES

- Lightweight, uniform heating solution for advanced composites
- Tailored heating, power density and thickness
- Electrically efficient heating and cooling
- Damage resistant
- Available in multiple materials and designs
- Customizable size and net shape

APPLICATIONS

- Out of autoclave and out of oven processing
- Composite repair
- Bonding aerostructures
- Accelerating adhesive cure
- Elevated tool heating — replacing heat gun
- Heated debulks
- Clean room elevated tool heating
- Autoclave cycle time reduction
- Heated cauls



Heated Composite and Metallic Tools



Enabling New Capabilities in Composite Manufacturing & Repair



BENEFITS

- Highly uniform across large surface areas
- Conformable to complex curvature
- Custom shapes
- Scalable for large tools
- Reduce scrap parts
- Ease of use, reduction in set up time
- Available built-in redundant circuit

ADVANTAGES

- Available built-in redundant circuit
- Multiple zones
- Flexibility and drapability
- Damage resistance
- Custom lead/conductor placement
- Stock shapes
- Custom shapes
- Can be trimmed to fit
- Scalable for large tools
- Fiberglass reinforcement also available

VeeloHEAT Blanket (VHB 101)		
Material Options	Features	Temperature Range
Non-Reinforced Silicone	For extra drapability	100°F–400°F
Reinforced Silicone	For extra durability	100°F–400°F
Viton	For clean room environments	100°F–375°F
Design Options		
Maximum size (inches)	24 x 72 inch Single Zone	
	60 x 96 inch Multizone	
	Customizable by geometry	
Power density (w/in ²)	1–40 watts/in ²	
	Standard 5 watts/in ²	
Input power (voltage)	24–480 VDC	
	Standard 120/240V	

