



GlowGuard

CLASS 3 SAFETY VEST DATA SHEET

MAXIMUM ILLUMINATION MAXIMUM BREATHABILITY PERFORMANCE SPECIFICATION

Beats Modacrylic MESH Comfort Hands down with HRC1 6.6 Cal. Safety Rating!

Breathes like Cotton!

BEST IN CLASS PROTECTION

MAX Safety combined with **MAX Comfort**.

- ◇ Advanced safety gear reinforces safety culture throughout company.
- ◇ GlowGuard™ Glow/Reflective Tape for enhanced visibility
- ◇ Sizes available: M to 5XL
- ◇ Featherweight, moisture wicking, breathable fabric for protection against heat stress.
- ◇ HRC 1 & NFPA2112 Inherent FR for better protection against flash fire



Breakaway Zipper for enhanced safety

FABRIC DETAIL

- ◇ *Composition:* 48% Tencel /40% Modacrylic / 12% Para-aramid
- ◇ *Weight:* 5.5 oz/yard
- ◇ UL® certified to NFPA 2112, NFPA 1977, NFPA 1975, CAN/CGSB 155.20 (Flashfire)
- ◇ Arc Rated according to ASTM F1506 for NFPA 70E as Arc Flash PPE Category 2, September 2014
- ◇ ANSI/ISEA 107-2015 (High Visibility)

COMFORT PERFORMANCE

- ◇ The fabric is partly made with natural and IFR fibers that makes the fabric inherently FR with better FR properties (HRC1 6.6 Cal. rating) and moisture wicking and breathable (due to the naturalfibers) resulting in a more comfortable vest with better protection.

GARMENT SUMMARY

- ◇ Inherent Flashfire protection
- ◇ Inherent HRC 1 = 6.6 CAL Arc protection
- ◇ ANSI 107 Class 3 Visibility protection
- ◇ Glow in the dark added protection
- ◇ Glow, Reflective and fabric MADE in USA
- ◇ Breakaway Zip closure / Radio loops
- ◇ Opening for fall protection
- ◇ Practical pockets
- ◇ Moisture wicking fabric
- ◇ Environmentally friendly

GLOW PERFORMANCE

- ◇ Phosphorescent pigments with afterglow initially measuring over 2000 mcd/m² after 2 minutes.
- ◇ Afterglow of up to 8 hours.
- ◇ Creates a new level of visibility / Adds innovation
- ◇ Can be added to existing garment designs
- ◇ Add a new level of visibility to an array of potential product.
- ◇ No batteries or lights required.
- ◇ Works under water / A safe and ecologically friendly
- ◇ Number of different applications / small added cost



ADVANCED
VISIBILITY

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CLASS 3 SAFETY VEST DATASHEET

WEIGHT AND CAL COMFORT COMPARISON

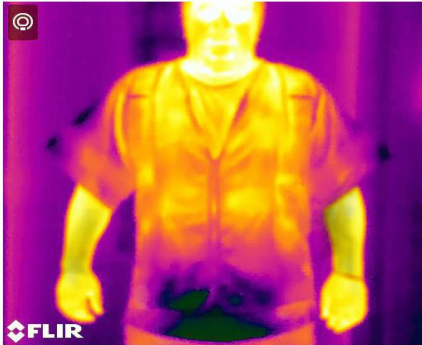
	Material	Fabric Weight	Cal. Rating
Modacrylic Mesh	Man Made Fiber	5.8 oz	5.1
GLOWGUARD CLASS 3 Feather Weight Option	Natural Fibers	5.5 oz	6.6

Best in class!

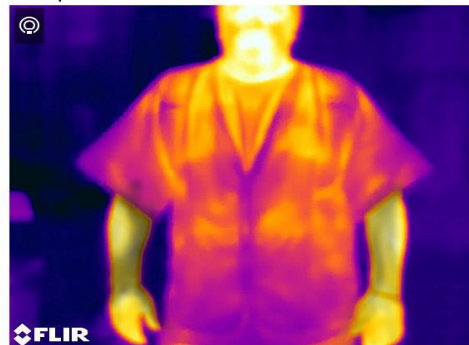
THERMAL TESTING

Test conducted shows GLOWGUARD CLASS 3 vest ability to dissipate heat faster than mesh fabric resulting in better comfort and less risk of heat related injuries

Subject spent 1 hour in 140 degree sauna with AV HRC 1



Subject spent following hour in controlled temperature room



Subject spent 1 hour in 140 degree sauna with Modacrylic mesh vest



Subject spent following hour in controlled temperature room

Mesh material holds heat because it does not breathe,

Notice the lighter areas indicating higher temps on the mesh type (not Glow Guard).

