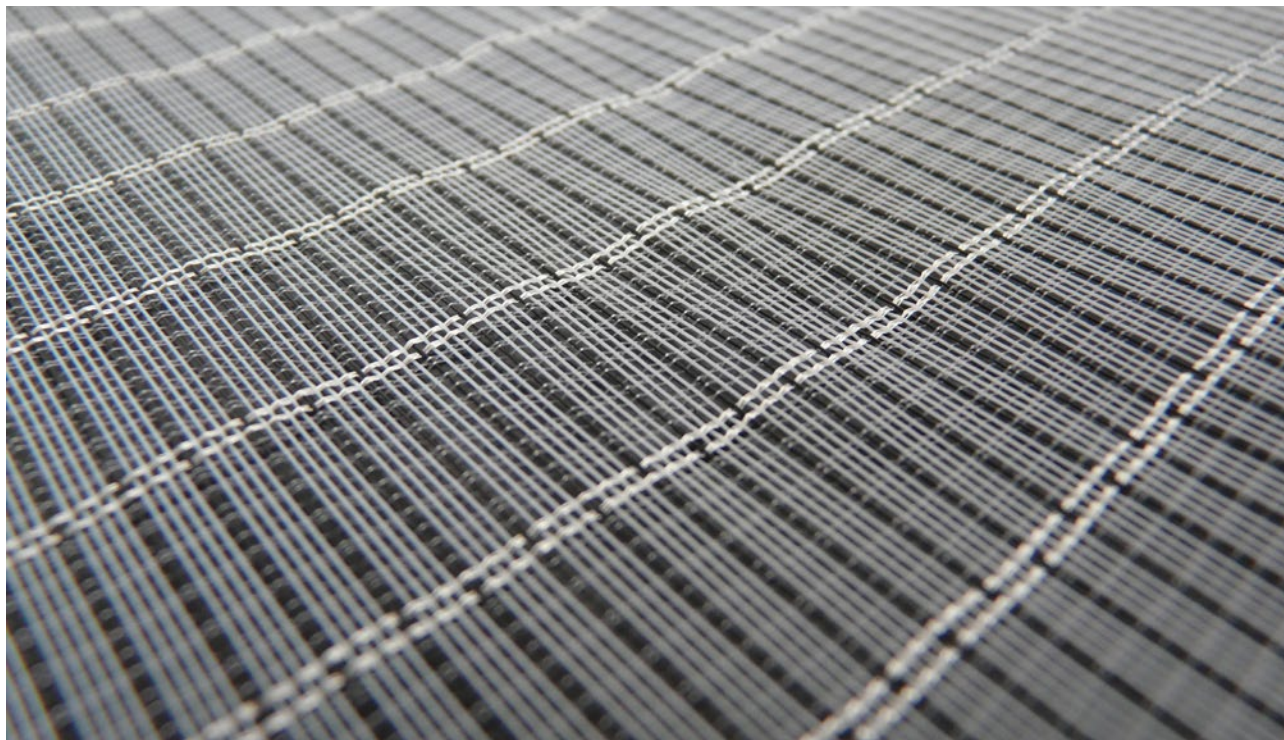


SEFAR® PowerHeat NT – Heating fabric

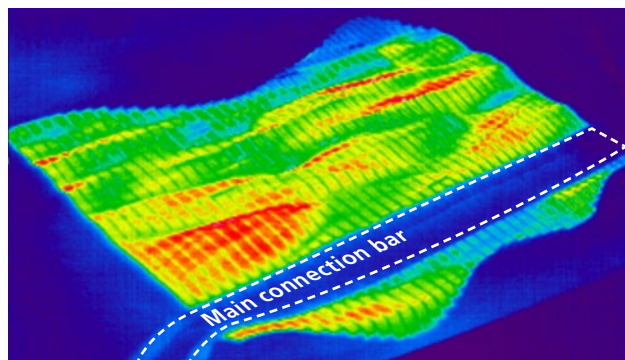


Almost random trimming of heated contour: each point on the fabric whose normal onto the main connection bar is completely interior is heated up!

Key product features

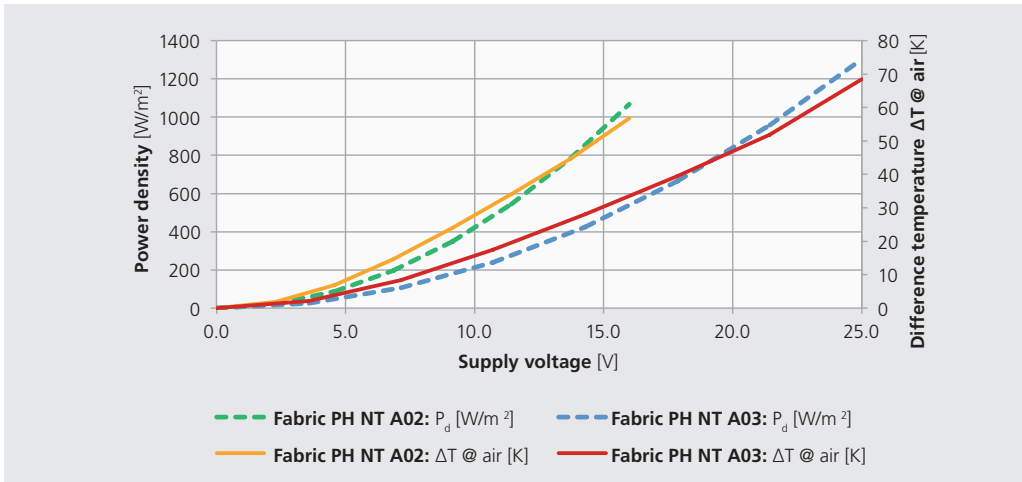
- Electrical main connection bars side-by-side, e.g. along one fabric edge
- 3D-shaping capability
- Compatible with injection / back injection mold processes
- Compatible with thermoforming processes
- Quick heating up due to low intrinsic mass
- No hotspots
- Energy efficient: high temperature/power ratio due to low thermal resistance
- Up to 1000 W/m² heating power dissipation when exposed to air
- Several kW/m² heating power dissipation feasible when exposed to liquids and composites
- Light-weight
- High air permeability

IR image of SEFAR® PowerHeat NT fabric



Infrared image of SEFAR® PowerHeat NT fabric with randomly cut shape. The main connection bar stays cold.

Power densities vs. supply voltage



Other power-voltage configurations are available as well!

Picture of SEFAR® PowerHeat NT fabric with superimposed IR image

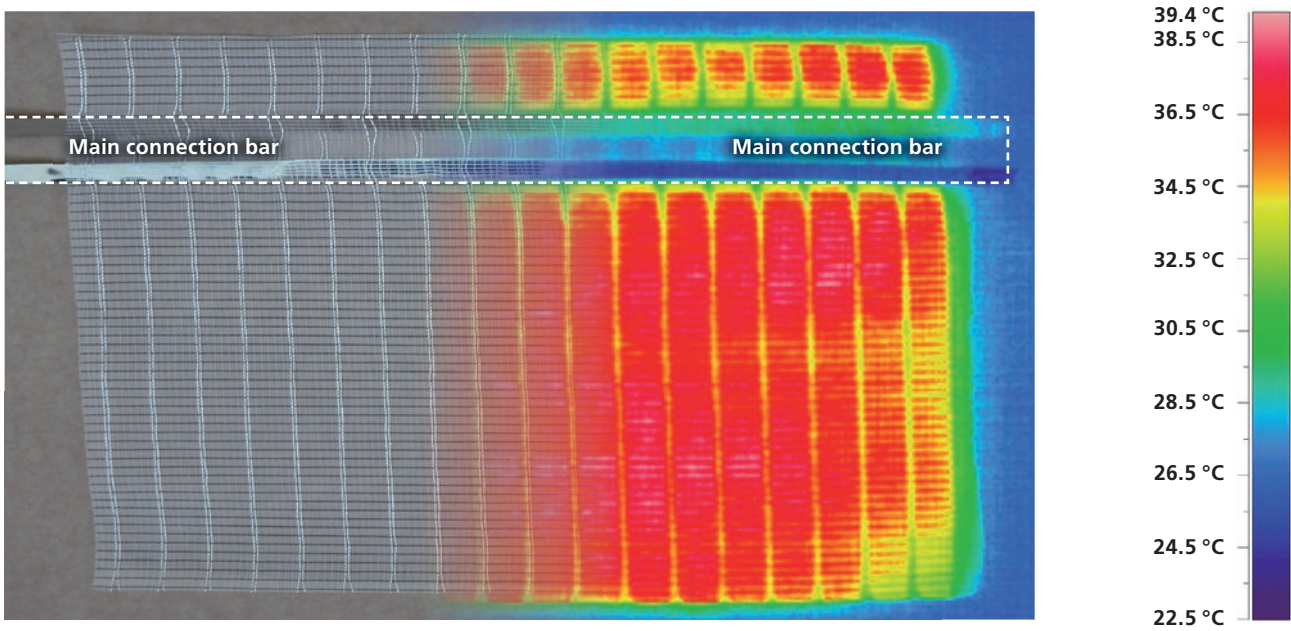


Image: SEFAR® PowerHeat NT

Infrared Image: SEFAR® PowerHeat NT

Customer benefits

- Available as roll goods → customer can cut fabric to his desired shape.
- Dynamic heating adjustment by PWM (pulse width modulation) control.
- Fabric can be sewed or laminated.

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