

GBconductive

Electrically conductive coating

*Nano Technology
for excellent surfaces*



In many areas of active heating or printed electronics there is a demand for electrically conductive and transparent coatings. Within our range of innovative nano coatings, GBneuhaus provides the product **GBconductive** as a conductive coating for surfaces made of plastic or glass.

gbneuhaus.de

sales@gbneuhaus.de



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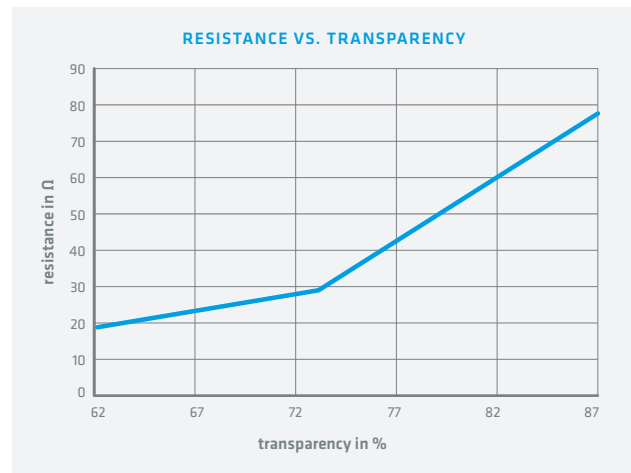
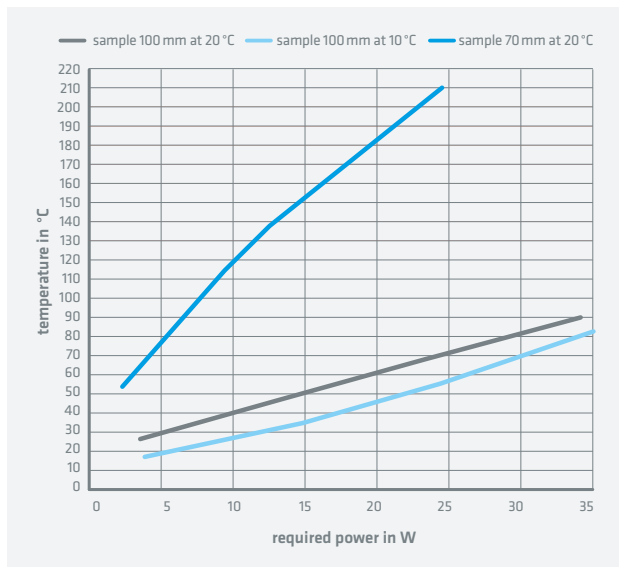
Electrically conductive coating

SUBSTRATE

- » **plastics** (polycarbonate, ethylene tetrafluoroethylene or polycarbonate films)
- » **glass** (borosilicate glass, soda-lime glass, quartz glass a.s.o.)

PROPERTIES

- » applications for AC or DC
- » maximum power capacity: 290 W at 19 Ω ; R = 19 Ω ... 112 Ω
- » transparency > 80 %; individually coloured on request
- » maximum temperature load: 260 °C
- » combinable with antimicrobial (SANPURE®) and/or hydrophobic features
- » film thickness from 150 up to 1.500 nm
- » no change in optic and haptic quality of substrate
- » **scratch-resistant** (scratch hardness according to DIN EN ISO 1518 up to 20 N; pencil hardness according to DIN EN ISO 15184 up to 10 H)
- » **abrasive hardness** (cross-cut test according to DIN EN ISO 2409)
- » **chemical-proof to customary detergents and disinfection methods**
- » **mechanically flexible**



TECHNOLOGY

- » dip coating or spraying
- » application process is defined individually according to geometry and requirements of the substrate

COATING

- » certified according to REACH and RoHS
- » certified according to ISO 9001:2015; processes comply with IATF 16949
- » environmental management conforms to ISO 14001



GBneuhaus GmbH
Am Herrnberg 10
98724 Neuhaus | Germany
phone: +49 3679 726030
fax: +49 3679 726033

sales@gbneuhaus.de