

SHIELDING

AARONIA SHIELD® ULTRA

70dB

Half Transparent Conductive RF Shielding-Fabric with high damping factor



Highlights:

- High damping factor of 70dB
- Non-oxidizing
- Excellent surface conductivity
- Half transparent
- Tearproof
- Lightweight

**AARONIA AG**
WWW.AARONIA.DE



MADE IN GERMANY



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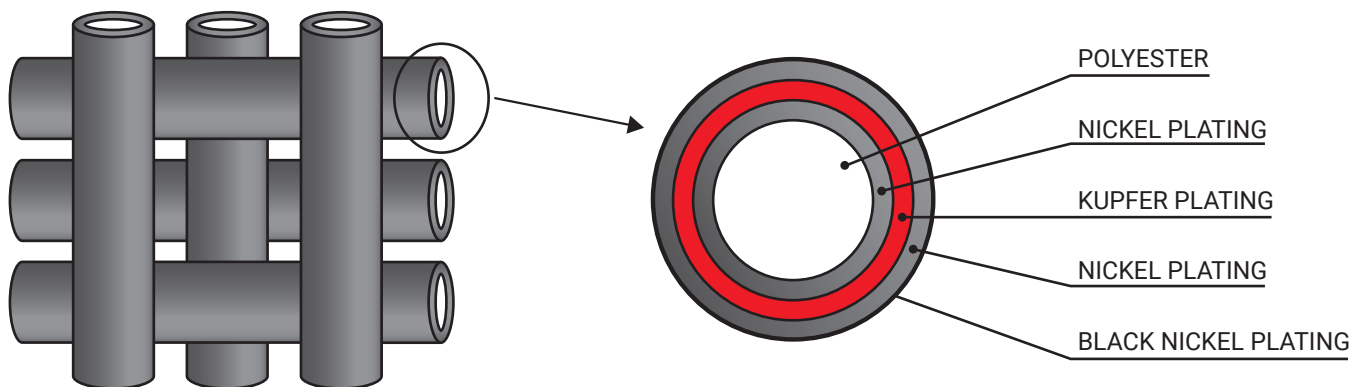
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Specifications

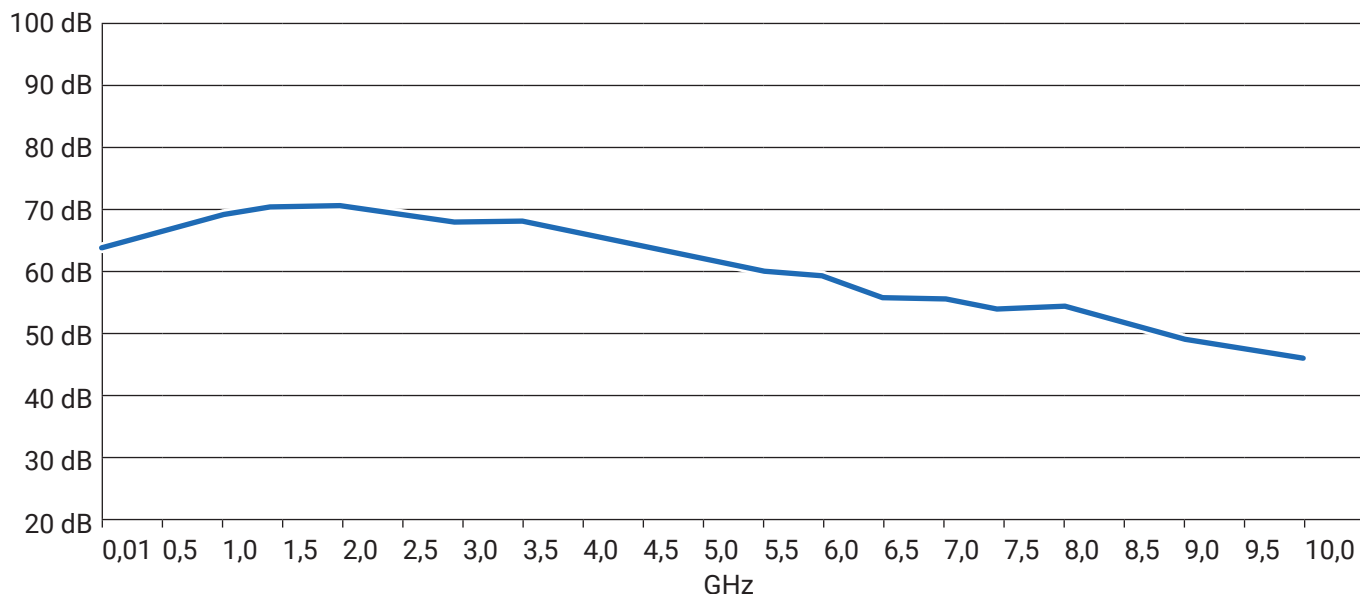
Aaronia Shield® ULTRA

Length per unit	0,9 m, 9 m, (1 m ² , 10 m ²) Also available as cut good
Lane width	1,1 m
Thickness	0,085 mm
Mesh Count/inch	200
Colour	gray
Weight	approx. 34 g/m ²
Mesh material	High-performance copper/nickel/polyester compound
Surface Resistivity Ω /sq	less than 0,1
Damping factor	65 dB at 1 MHz, 70 dB at 1 GHz and 46 dB at 10 GHz (ASTM D 4935-10 Method)

- Non-Oxidizing, outer layer of nickel for corrosion resistance
- Half transparent
- Rustproof
- Frostproof
- Tearproof
- Foldable
- Excellent surface conductivity
- Very easy to handle even for the novice



Transmission damping chart 0,01 - 10 GHz



REFERENCES



Selected Aaronia Clients

Government, Military, Aeronautic, Astronautic

- NATO, Belgium
- Department of Defense (DoD), USA
- Department of Defence, Australia
- Airbus, Germany
- Boeing, USA
- German Armed Forces, Germany
- NASA, USA
- Lockheed Martin, USA
- Lufthansa, Germany
- German Aerospace Center (DLR), Germany
- Eurocontrol, Belgium
- EADS, Germany
- Drug Enforcement Administration (DEA), USA
- Federal Bureau of Investigation (FBI), USA
- Federal Criminal Police Office (BKA), Germany
- Federal Police, Germany
- Ministry of Defence, Netherlands

Research/Development, Science and Universities

- MIT - Physics Department, USA
- California State University, USA
- Indonesian Institute of Science (LIPI), Indonesia
- Los Alamos National Laboratory (LANL), USA
- University of Bahrain, Bahrain
- University of Florida, USA
- University of Victoria, Canada
- University of Newcastle, United Kingdom
- University of Durham, United Kingdom
- University Strasbourg, France
- University of Sydney, Australia
- University of Athen, Greece
- University of Munich, Germany
- Technical University of Hamburg, Germany
- Max-Planck Inst. for Radio Astronomy, Germany
- Max-Planck Inst. for Nuclear Physics, Germany
- Research Centre Karlsruhe, Germany

Industry

- IBM, Switzerland
- Intel, Germany
- Shell Oil Company, USA
- ATI, USA
- Microsoft, USA
- Motorola, Brazil
- Audi, Germany
- BMW, Germany
- Daimler, Germany
- Volkswagen, Germany
- BASF, Germany
- Siemens AG, Germany
- Rohde & Schwarz, Germany
- Infineon, Austria
- Philips, Germany
- ThyssenKrupp, Germany
- EnBW (Energie Baden-Württemberg), Germany
- CNN, USA
- Duracell, USA
- German Telekom, Germany
- Bank of Canada, Canada
- NBC News, USA
- Sony, Germany
- Anritsu, Germany
- Hewlett-Packard, Germany
- Bosch, Germany
- Mercedes-Benz, Austria
- Osram, Germany
- DEKRA, Germany
- AMD, Germany
- Keysight, China
- Infineon Technologies, Germany
- Philips Semiconductors, Germany
- Hyundai Europe, Germany
- VIAVI, Korea
- Wilkinson Sword, Germany
- IBM Deutschland, Germany
- Nokia-Siemens Networks, Germany

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